

Author Index

- Abarbanel JM, S24
Abbott AL, S44
Abbruzzese M, 47
Abe K, S48
Abe T, S116
Abele M, S65
Abi-Habib R, S63, S64, S106
Abrams EJ, S115
Aburama SK, S107
Ackerley C, S112
Acosta MT, S107, S114
Adalsteinsson E, 823
Adamson J, 494
Adelman LS, S46
Adler CH, S9, S49
Adrien KR, S125
Adrien KT, S122
Aggarwal NT, S45
Agius MA, S24
Ahmann PA, S123
Ahmed A, S75
Ahn YS, S27
Aibar E, 692
Akerman S, 804
Aketa S, S61
Akguchi I, 117
Akins PT, S42
Akowah K, S33
Alaedini A, S28
Al-Aloucy MJ, S44
Alamy AH, 681
Alarcón M, 741
Albani F, 687
Albers G, S13
Albert M, S43
Albert ML, S61
Albin RL, 358
Albucher JF, 718
Ales GD, S47
Alexander S, S12
Alger JR, 277
Al-Hulo W, S41
Alidoost M, S95
Ali NM, S42
Ali S, S18
Aliprandi A, S42
Alkhersam H, S41
Allen AJ, S96
Allen E, S126
Allen JC, S110
Aller SK, S111
Alonso E, 234
Alper G, S115
Als H, S98
Altarescu G, S12
Al-Twaijri WA, S109
Alvarez A, S96
Alvarez MA, S42
Álvarez-Sabín J, S13
Allwell K, S74
Amano T, S76
Amatriek JC, S44
Amlic-Lefond C, 427
Anand R, S44
Andersen PM, 553
Anderson ND, S77
Andreassen OA, 112
Andreu AL, S74
Angelicheva D, 452
Annegers JF, 458
Annoni JM, 401, 820
Anolik M, S124
Anslov P, S111
Antoine JC, 688
Antonozzi I, S116
Aoki KR, S32
Appel CC, S104
Applegate R, S93
Arai H, 150
Araki A, 747
Araki W, 117
Araújo AQC, 681
Arbizu J, S62
Archelos JJ, 286
Arenas J, 409, S74
Arezzo JC, S117
Arimura K, 261
Armstrong DC, 163, S120
Armstrong J, 692
Arnold DL, 133, 823
Arnold LE, S96
Arnold S, S60
Arnold ST, S103
Aronow BJ, 699
Artieda J, S62
Artiola C, S116
Arvanitakis Z, S64
Asakawa S, S65
Ascherio A, 56, 780
Ashizawa T, 234
Ashwal S, S93
Askanas V, S22
Atkinson S, S105
Ato M, S27
Aubert E, S42
Auger RG, S34
Augood S, S97
Aurora SK, 582
Awaya Y, S9
Azim AC, S17
Baier M, S58, S70
Baig S, S42
Bailey L, S93
Bakardjiev A, S122, S125
Bakay R, 321
Baker BL, S23
Baker DW, S71, S74
Baker M, 494
Baker S, S75
Bakker E, 816
Bakshi R, S28, S30
Baldwin A, S128
Baldwin R, S8
Bale JF Jr., S127, S130
Ballerini C, 486
Balsamo L, S94
Bamford NS, S14, S129
Bandy DJ, S106
Banwell BL, S127
Barbieri CJ, S16
Bareil C, 250
Barhom Y, S46
Barker PB, 561
Barkhof F, 258
Barkovich AJ, S114, S119, S120, S121, S130
Barnes LL, S45
Barnes PD, S107
Barnett MH, 646
Barnwell A, S120
Barrett G, 567
Barron R, S78
Barroso E, S42
Barthold SW, 330
Bartlett D, S58
Baruzzi A, 687
Barzilai A, S46
Bastiani B, S77
Batenhorst AS, S75
Batista BHB, S104
Batocchi AP, 668, S34
Baumgartner C, 216
Beach T, S49
Beal MF, 112
Beauchamp NJ, 561
Becker JT, S11, S38, S39
Becker K, S97
Becker L, S112
Beckett LA, S45
Beggs AH, 312
Begni B, S42
Belin MF, 688
Bell K, S43
Bellingier D, S99
Belman AL, S61, S109, S130
Benarroch EE, 640
Bendahhou S, 417
Bender A, 665
Benedict RHB, S28, S30
Bennett DA, S45
Bensa S, 195
Benson BE, S36
Berendse HW, 34
Berg R, S123
Berger J, S60
Bergmans PLM, 34
Bermel RA, S28, S30
Bernardini GL, S72
Bernstein AL, S69
Bernstein PS, S35
Berry GT, 266
Berry-Kravis E, S108
Bersudsky M, S24
Bethune P, S103
Bhatia S, S19
Bhattacharjee M, S61
Bhojo AK, S42
Bicknese AR, S128
Biederman J, S96
Biegel JA, S111
Bielekova B, 349
Biemer E, 240
Bienkowski RS, S109
Bigner DD, S31
Bikoff EK, S27
Bingaman W, S101
Birarelli M, S116
Bird TD, S52, 661
Birdi S, S20
Black SE, S77
Blanes W, S47
Blancy SS, S111
Blanke O, 401
Blight AR, S62
Blitz K, S61
Blumen N, S54
Blumen SC, S54
Blumhardt LD, S55, S56
Boasberg P, S9
Boatman D, S95
Boden-Albala B, S73
Bodensteiner JB, S116
Boellner SW, S96
Boeve BF, S9, S16
Bogdanovic N, 661
Boggild MD, S30
Bojar M, 195
Bö L, 389
Boller JA, 468
Booij J, 34
Boongird A, S101
Borchelt DR, 112
Borchert MS, S111
Bordoni A, 202
Bornebroek M, 765
Bornstein B, 409
Borrás C, 108
Borsody MK, S72
Bosch EP, S23
Bosch J, S42
Boscolo S, S37
Boudjenah D, S17
Boulis N, S23

- Bouma G, 275
 Bouvagnet P, 250
 Bowe CM, S97
 Bowyer SM, 582
 Boyd JC, S110
 Boyle TP, 468
 Bradley WG, 832
 Brady RO, S12
 Brahmachari SK, 796
 Brandt J, S43
 Braniecki SH, S94
 Breakefield XO, S21, S97
 Breau LM, S104, S123
 Breeze R, 181
 Brennan MB, 486, 807
 Bresolin N, 202
 Brett F, S51
 Brint SU, S63
 Briolotti V, S54
 Brockmann K, 476, 532, S125
 Broderick J, S10, S74
 Brooks S, 381
 Broom WJ, S53
 Brosnan C, S56
 Brown J, S35
 Brown MG, S79
 Brown TT, S94
 Browner WS, S12
 Brownschidle C, S58
 Brück W, 532, 665
 Brumback R, S20
 Brumm VL, S111
 Bruno A, S13
 Brust JCM, S14, S129
 Buccellatoo FR, S17
 Buchan AM, 130
 Buchbinder J, S74
 Buchhalter JR, S92
 Buckley C, 64, 73
 Budka H, 227, 421
 Buerger K, 150
 Bunn TJR, 258
 Burch SP, S78
 Burger E, S111
 Bürk K, S65, 827
 Burke B, S93
 Burleson JA, S97
 Burns TM, S52
 Bushnell C, 612, S72
 Butler JD, S112
 Butler RW, S122
 Byskosh PV, S27
 Cabello A, 409, S74
 Cadavid D, 330
 Caggiula M, S34, 668
 Caillier S, S26
 Caiviness VS, S125
 Caldara-Schnetzer AS, 820
 Calder CS, S35
 Callahan C, 373
 Calles J, S36
 Calne DC, S22
 Caltagiorne C, S113
 Cameron HM, 544
 Camfield CS, S104, S123
 Camfield PR, S104
 Campos Y, 409, S74
 Camu W, S54
 Capone A, 824
 Caputo FA, S117
 Carasso RL, S11, S54
 Caravale B, S113
 Cardona F, S116
 Cardoso F, 588
 Carducci C, S116
 Carel C, 718
 Carey PF, S122
 Carhuapoma JR, S78
 Caro J, S74, S76, S79
 Carpenter K, 73
 Carter DB, 468
 Cartmell W, S59
 Caruso G, 17
 Caruso U, 424
 Cascino G, 458
 Caselli RJ, S16
 Cashman RL, S77
 Castaldo J, S69, S72, S73, S78
 Castellanos C, S48
 Castillo J, S13
 Català V, 692
 Cataldo A, 661
 Caviness JN, S49
 Caviness VS, S122
 Cebul RD, S71, S74
 Ceppi-Cozzio C, S119
 Cervera C, S74
 Cha JK, S14
 Chaly T, 181
 Chamberlain MC, S59
 Chambers BR, 544
 Chamoun V, S57
 Champion S, S115
 Chan ATW, 544
 Chan KH, 301
 Chan P, 293
 Chandler M, S96
 Chang A, 389
 Chang MH, S53
 Chang NA, S130
 Chang S, S76
 Chapin JC, S115
 Chapman HA, S28
 Chapman J, S35, S64
 Charles A, S24
 Chaturvedi S, S76
 Cheema ZF, S20
 Chen C, S20
 Chen J, 133
 Chen R, 293, S21
 Cheng J, S73
 Cheung R, S57
 Chez MG, S60, S95, S123
 Childers MK, S78
 Chiriboga CA, S99, S115
 Chiveri L, 202
 Chmura TA, S49
 Cho ES, 646
 Choi HB, S16, S18
 Choi MH, 128
 Choi YC, S42
 Chollet F, 718
 Chong WK, 588
 Chopp M, 602, S14
 Choudhry S, 796
 Chouery E, 250
 Christensen TE, S23
 Christine C, S25
 Christodoulou C, S59
 Chuang NA, S119, S121
 Chung BC, 128
 Church AJ, 588
 Ciabarra A, S23
 Cianciulli C, S61
 Ciliax B, 321
 Ciscato P, 202
 Clark AW, 434
 Clark W, S13
 Clarke B, S48
 Clarke P, S33, S77
 Claustres M, 250
 Clavelou P, 554
 Clawson SA, S60
 Clegg NJ, S114
 Climent JM, S62
 Clover L, 73
 Coco M, S72
 Cohen A, S76
 Cohen BH, S101, S105
 Cohn R, S62
 Colditz GA, 56, 780
 Cole N, S17
 Coleman JK, S36
 Coleman RE, 612
 Collins AE, S130
 Collins J, S93
 Colman SS, S77
 Colomer J, 452
 Comabella M, 108
 Comi AM, S97
 Comi G, 195, 422
 Comi GP, 202
 Comparini N, S46
 Compston A, 121
 Connolly AM, S123
 Connolly ES, S78
 Conry JA, S95, S101, S104, S107, S126
 Contin M, 687
 Cook SD, S65, S115
 Cookson N, 494
 Cooper JV, S74
 Cooper M, 142
 Corbett AJ, 755
 Corches A, 452
 Corda DG, S51
 Corey-Bloom J, S16
 Corral J, S41
 Cortelli P, 421
 Corti O, 283
 Costa AP, S50
 Costa da Costa J, S104
 Cote LJ, S50
 Cotman CW, S112
 Counter CM, S31
 Cowan LD, S116
 Cox TC, 588
 Coyle PK, S59
 Craig K, S93
 Cras P, 661
 Crayton H, S57
 Cribbs DH, S112
 Crisci C, 17
 Croker J, S57
 Croul S, S46
 Crowther A, 503
 Crusius JBA, 275
 Crystal H, S45
 Cubo E, S50
 Culebras JM, S74
 Culver DG, S9, 773
 Cummings JL, 741
 Cummins TR, 417
 Cunningham MW, S117
 Cusmai R, S102
 Cutter GR, S29, S70
 Czech T, 216
 Dagam SA, S31
 Dahl G, S93
 Dail D, 330
 Dalakas MC, S8 195
 Dale RC, 588
 Daley J, 321
 Dalmau J, 339, S60
 Dal Pan GJ, 693
 Damario MA, S43
 Danek A, 755
 Daniels G, 755
 Daria V, S59
 Darling RC, S72
 Darwich HZ, S94
 Date H, S9
 Dávalos A, S13
 Dávalos-Gonzalez Y, S111
 Davies-Jones GAB, S37
 Dávila-Gutiérrez G, S96
 Davis AA, 773
 Davis LE, S36
 Davis M, S51
 Dawson NV, S71, S74
 Dawson TM, 6
 Dawson VL, 6
 Dean DA, S12
 De Carli C, S19
 de Chadarevian JP, S114, S129
 Dedeoglu A, 112
 DeGiorgio CM, S79
 DeGraba TJ, S66
 de Kievit P, 816
 DeKosky ST, S11, S38, S39
 de la Fuente-Fernández R, 688
 Delague V, 250
 de Leon B, S96
 Delgado MR, S114
 del Hoyo P, 409, S74
 Della Marca G, 668, S34
 DeLorenzo RJ, S105
 de los Reyes EC, S108
 del Rio MJ, S93

- Del Valle L, S110
 DeMarcaida J, S33
 Denckla MB, S57
 Denecke J, 463
 Deng HX, S17
 Deng Y, S20
 Dennis MS, 208
 Deonna T, 672
 De Prez C, S119
 Derby C, S45
 de Stefano N, 823
 Detore G, 349
 Detre JA, 697
 Deuel RMK, S123
 deVeber GA, 163, S120
 Devenand D, S43
 Devins GM, S77
 De Vivo DC, 476, S14, S124, S125, S129
 DeVoss J, S30
 Devoto M, S65
 D'Giano C, S47
 Dhawan V, 181
 Diamanduros A, S54
 Dichgans J, 827
 Dick PT, S120
 Dickson DW, 494
 Diederich NJ, S49
 Digre KB, S35
 Dilenge ME, S99, S119
 Dillman JF III, 6
 Dillon WP, S37
 DiMario FJ, S97, S117
 Dimassi H, S116
 DiMauro S, 133
 Di Monte DA, 254
 Ding H, S8
 Di Paola M, S113
 Di Rocco M, 424
 Dixon KT, S120
 Dobson-Stone C, 755
 Dodson WE, S103
 Doherty MJ, S52
 Dohmen C, S12
 Domi T, 163
 Domínguez C, 108
 Don J, S17
 Donatella S, S59
 Donn RP, S30
 Donnan GA, S44
 Dooley JM, S103
 Doria-Lamba L, 424
 Dosch HM, S57
 Dotti MT, 755
 Douek D, 64
 Dougherty D, S70
 Dow KE, 404
 Dowling PC, S115
 Doyle S, S51
 Dreha SF, 266
 Driver J, S39
 D'Souza J, S104
 Dubovsky EC, S95
 Duchowny MS, S92
 Ducorps A, S21
 Dulac O, S104
 Dumetescu L, S16
 Dunn DW, S96, S123
 Dunn E, 468
 du Plessis AJ, S99, S121
 Duquette P, S52
 Durkin M, S99
 Dziedzic M, S29
 Eagle KA, S74
 Easom LAJ, S36
 Ebers GC, S52
 Ebringer A, S57, S58, S59
 Edan G, 121
 Edwards-Brown M, S116
 Eichen JG, S39
 Eidelberg D, 181, S14
 Einstadter D, S71
 Eisa MS, S21
 Elkind MS, S73
 Elkins LE, S59
 Elkon H, S17
 Ellerbrock BR, 730
 Elliott JL, 273
 Elliott ME, S77
 Eng B, 108
 Engel J Jr., 131
 Engel WK, S22
 Engelstad K, S124, S125
 Englestadt K, S124
 Enriquez R, S130
 Epstein L, 612
 Eshoo MW, 93
 Estrada EY, S12
 Etemad B, S44
 Evans DA, S45
 Evans J, S57
 Eviatar L, S109
 Eyre JA, S124
 Fairstein N, S11
 Faerber EN, S129
 Fagan SC, S70
 Fahn S, 181
 Fairclough RH, S24
 Falcao F, S50
 Fang G, S9, 773
 Farhat F, S106
 Faries DE, S96, S123
 Farrell M, S51
 Farrer MJ, 293, 658, S22
 Fathallah-Shaykh HM, 273
 Faucher D, S44
 Faustmann PM, 423
 Fealey RD, S34
 Fedele E, 686
 Feinstein A, S39
 Feinstein DL, S16, S56
 Feinstein K, S39
 Feldman EL, S23
 Feldman RG, S32
 Feldmann R, 463
 Fell G, S44
 Fendrick AM, S73
 Feng X, S27
 Fernández JM, S74
 Fernández O, S58
 Fernández-Hojas R, S74
 Fernández-Moreno MA, 409
 Ferrante KL, 112
 Ferrante RJ, 112
 Ferrarese C, S42
 Ferrer I, S13
 Ferrer-Rogers A, S119, S120
 Ferri R, S12
 Ferriero DM, S119, S120, S121, S130
 Ferro J, S50
 Fiedler M, 423
 Field-Chez M, S60, S95
 Filippi M, 422
 Filla A, 17
 Filloux FM, S127, S130
 Finlay J, S111
 Finley GA, S123
 Fischberg J, 476, S125
 Fischer C, S98
 Fischer-Colbrie R, 216
 Fisher E, S38, S70
 Fisher PG, S107
 Fisk JD, S79
 Fitzgerald R, S103
 Fitzpatrick R, S69
 Fleck TJ, 730
 Fletterick R, S74
 Flores-Sarnat L, S96
 Fogdell-Hahn A, 486
 Follett PL, S98
 Fontana A, S27
 Fontoura P, S30
 Forbes P, S110
 Forbes T, S76
 Fornari E, 672
 Forno L, 293
 Forsyth RJ, S124
 Fortunato F, 202
 Foster NL, 358
 Foster OJF, 142
 Frabotta A, S101
 Francis E, S106
 Francot CMJE, 34
 Frank J, S38
 Frank LM, S93
 Frants RR, 816
 Franz ML, 373
 Fraser DD, 404
 Freed C, 181
 Freeman A, 321
 Freeman JM, S107
 Freeman K, S110
 Frey KA, 358
 Friedland RP, S64
 Friedman J, S21
 Friedman NR, S126
 Frisullo G, 668, S34
 Frye TA, S128
 Fu YH, 417
 Fuchs K, S57
 Fujii M, S8
 Fukuda M, 181, S14
 Fukuoka Y, S45
 Fukuyama H, 829
 Furtado S, S22
 Fürtinger S, 216
 Gabis L, S109, S130
 Gaillard WD, S19, S94, S95, S101, S104, S107, S126
 Gal A, S113
 Galante A, 686
 Galasko D, S16
 Galbiati S, 202
 Galboiz Y, 443
 Galea E, S16
 Galey D, S33
 Galiani DL, S121
 Gamboa ET, S28
 Gamero MA, S50
 Gámez J, S74
 Gandy S, S8
 Garcia-Moreno JM, S50
 Garcia-Redondo A, 409
 Garesse R, 409
 Garg B, S116
 Garner L, S21
 Gavriluk V, S16, S56
 Geán E, 692
 Gebel J, S74
 Geddes JF, S110, S129
 Genain CP, S26, S37
 Geschwind DH, 741
 Getsios D, S79
 Geyer JR, S111
 Ghaemi M, 620, S31
 Ghatti B, 661
 Ghosh D, S105, S126
 Ghosh S, S131
 Giacomini P, 686
 Gibson GE, 112
 Gibson KM, S115
 Gilgun-Sherki Y, S18
 Gilman FH, S131
 Gilman JT, S92
 Giovannoni G, 588
 Gitelman DR, S15
 Gladwin MT, S12
 Glass JD, S9, 157, 773
 Glidden DH, S119, S120, S121
 Goadsby PJ, 804
 Goda G, 409
 Goddard E, 588
 Goebel HH, S113
 Goedert M, 503
 Goetz CG, 558, S36, S48, S49, S50
 Goh WHS, S112
 Goldstein LB, S72, S77
 Golomb MR, 163, S120
 Gondolo T, S52
 González L, S58
 González-Conebero R, S41
 Gonzalez-Gomez I, S131
 González-Scarano F, 429
 Gooch C, S23
 Gooch CL, S52
 Goodkin D, 121
 Goodman BP, S15
 Gopinath MS, 796
 Gordon B, S95
 Gordon KE, S103

- Gorelick PB, 558
Gorelick R, S32
Gotoh F, S76
Graf R, S12
Graff-Radford NR, S64
Graham SH, S57
Grandin CB, S94
Grandis M, 47
Grant ML, S129
Gray SG, S126
Grazia Spillantini M, 503
Green A, S57
Green L, S58
Green NS, S92, S102
Green PH, S28
Greenaway H, S77
Greenberg DA, 93, 695
Greene P, 181
Greenlee JE, S60
Gregori N, S55
Gress DR, S70
Griebel ML, S107
Griesmacher A, S53
Griesmann GE, 690
Griggs RC, 417
Grisold W, S53
Gropman A, S115
Grossman AB, S22
Grothusen JR, S36
Grover WD, S114
Groves M, S51
Gruncwald RA, S37
Guentchev M, 421
Guergueltcheva V, 452
Guerlach G, S61
Guha A, S8
Gundogdu B, S53
Gunser P, S75
Guo C, S31
Guo CY, S105
Guo X, 6
Gupta G, S13
Gurney ME, 468, 730
Gutmann DH, S8, S30
Guterman EM, S44
Gwinn-Hardy K, 293
- Haan J, 765
Haase CG, 423
Habedank B, 620
Haberler C, 227
Habeych M, S38
Habib RA, S103
Hadjivassiliou M, S37
Hahn CD, S127
Hahn JS, S107, S113, S114
Haipiek C, S30
Hale SE, S108
Hall EK, S94, S110
Haller RG, 133
Hallett C, S31
Halperin JJ, S73
Hamaue N, S32
Hamdalla HHM, 755
Hamilton SA, S13
Hammoud R, S14
- Hampel H, 150
Hand CK, S54
Hanefeld F, 476, 532, S125
Hansen LA, S16
Hanson KK, S125
Hanson RA, S131
Hansrote S, S46
Harati Y, S23
Hardison HH, S102, S114, S129
Hardy JA, 293, 494, 658, S22
Harik L, S64, S103
Harms E, 463
Harpole LH, S69
Harrell LE, S17
Harris GJ, S122, S125
Hart DE, S35
Hartman R, S44
Hartung HP, 121, 286
Hase A, S18, S24
Hasegawa M, 117
Hashiguchi T, 261
Hashimoto T, 528
Hatori K, S16, S18, S25, S44
Hatta J, S19
Hattab EM, S107
Hattori H, 79
Hattori N, S50, S65
Hauser SL, S26, S37
Hauser WA, 458
Hawkes C, 552
Hayasaka K, 547
Hayashi M, S9
Hayes CM, 104
Hayes KC, S62
Hays AP, S28, S52
Hazimeh Y, S63, S106
Head E, S112
Head MW, 258
Hecox KE, S113
Hedreen JC, S97
Hedrick N, S8
Heidemann R, S111
Heiligenstein JH, S96, S123
Heiss WD, 620, S12, S31
Heller AJ, S121
Helmchen C, 677
Henderson D, S33
Henderson VCD, S128
Heneka MT, S16, S56
Henning J, 824
Henschel K, S57
Hentz JG, S16, S49
Herbert MR, S122, S125
Herholz K, 620, S31
Hermis J, 532
Hernán MA, 56, 780
Hernandez DG, 293, 658
Herrmann D, S33
Herscovitch P, S12
Hershberger D, S98
Herzog AR, S73
Hesdorffer DC, 458
Hetherington R, S127
- Hewett J, S97
Hickenbottom SL, S73, S74
Hier DB, S63
Higuchi I, 261
Hijman R, 34
Hilden J, S111
Hillis AE, 560
Hill K, S55
Hines C, S12
Hinston V, S99
Hinton VJ, S124, S125
Hirano M, S17
Hirbe AC, S30
Hiroi T, S9
Hirose G, S40, S54
Hirose K, S52
Hisanaga K, S53
Hlustik P, S11
Ho G, S16
Ho M, 755
Ho P, S30
Ho YY, 476, S124, S125
Hoare MC, 544
Hobart J, S69
Hobdell R, S114
Hoeherman S, S11
Hodgson J, S122, S125
Hodgson TL, S39, 413
Hodzic E, 330
Hoffman B, 646
Hofstetter CR, S16
Holden J, 434
Hollar S, S111
Holmes SE, 373
Holshouser BA, S93
Holtz ML, S40
Honnorat J, 688
Hoppel CL, S101
Horn N, 540
Horn S, S36
Hornykiewicz O, S20
Horstman LL, S27
Hosain SA, S92, S102
Houlden H, S51
Houston I, S79
Hsia AW, S60
Hsieh JTC, S62
Hu Z, S38
Huang HM, 112
Huang YM, S8, S25
Huang Z, S8
Hudson D, S36
Hughes L, S57, S58, S59
Hughes RAC, 195, 281
Huhn SL, S107
Hujita K, S61
Hulette C, 612, 661
Hung WT, S17
Huppi PS, S121
Hurd RE, 823
Hurme M, 275
Hurst DL, S118
Husain M, S39
Husak SH, S71
Husek SS, S74
Hussey J, 293, S22
- Hussien Y, S25
Hutchinson M, S51
Huttenlocher PR, S113
Hutton ML, 494, 658
Hwang HS, 373
- Iannaccone ST, 312, S127
Ibach B, S61
Ifergane G, S24
Igarashi S, S9
Ihara M, 829
Ikeda A, 128
Ikeda S, 528, S9, S34
Ikemoto A, 117
Illa I, 195
Imagawa M, 150
Imahori K, 150
Imamichi Y, S65
Inagaki T, S45
Inder TE, S121
Iniesta JA, S41
Innis RB, S21
Innocenti GM, 672
Inoue K, 747
Inoue Y, 79
Inzelberg R, S11, S54
Irlbacher K, 240
Ironsides JW, 258
Ishak KJ, S74, S76, S79
Ishigaki A, S9
Ishiguro K, 150
Itoh N, 150, 273
Itayama Y, S53, S63
Iturria NL, S31
Iwabuchi K, S9, S27
Iwasaki T, S22
Iwasaki Y, S34
Izquierdo G, S50
- Jackson M, 73
Jacobs BS, S76
Jacobs LD, S28, S30, S58
Jacobs MA, S61, S14
Jacobson S, 486, 807
Jafri H, S99
Jahanshahi M, S67
Jain S, 796
Jaiswal R, S66
Jalaluddin M, S106
Jallo G, S110
Jankovic J, S21, S65
Jann S, 202
Janss AJ, S111
Jao CS, S63
Jarrar RG, S92
Jayam-Trouth A, S62
Jellinger KA, S49, 828
Jeng J, 708
Jennings DL, S21
Jenny D, S73
Jensen FE, 366, S98, S108
Jettow T, S36
Jhung S, S124, S125
Jiang P, S128
Jimenez JJ, S27
Jimi T, S51

- Jin K, 93, S53, S63
Jinnai K, S45
Johnkutty S, S52
Johnson N, S15
Johnson RT, 556, 831
Johnston JB, 434
Johnston MV, 278
Johnston SC, S12, S70
Jones HR, S52
Jones M, S60
Josephs KA, S34
Joshi SM, S107
Joyce JN, S49
Julien JP, 630
Jung HY, S31
Jung MH, S14
Jy W, S27
- Kabeto MU, S73
Kadhim HJ, S119
Kaelin-Lang A, S31
Kahn A, S119
Kalaydjieva L, 452
Kalkkreuth W, 755
Kaleyas JM, S129
Kalitzin SN, S47
Kalman B, S46
Kaminski HJ, S55
Kaminski WE, S61
Kamphorst W, 258
Kanai M, S47
Kanda F, S45
Kanda T, S22
Kane R, S57
Kaneski C, S12
Kaplan AM, S106
Kaplan EL, S117
Kaptanoglu G, S15
Karagiorgis V, 227
Kasteleijn-Nolst Trenité DGA, S47
Kastrukoff LF, S29
Kato M, S47
Katsetos CD, S110, S114, S129
Katz B, S55
Katz MA, S62
Katzan IL, S71, S74
Katzen H, S22
Kaufer DI, S38, S39
Kaufman SA, S119
Kaufmann P, S23
Kawachi I, 56
Kay B, S101
Keating G, 321
Keeling DM, S111
Keeling R, S123
Keller A, 202
Keller M, S57
Kellstein D, S93
Kelly JP, 425
Kelly TP, S124
Kelsey DK, S123
Kendrick KL, S123
Kennard C, 413, S39
Kennaway NG, 133
- Kennedy DN, S122, S125
Kennedy WR, 17
Keränen T, 275
Kerr D, S57
Kessler J, S31
Keulemans JLM, 269
Khateb A, 820
Khong PL, S112
Khoris J, S54
Khoury J, S10, S74
Khurana DS, S102, S114
Khyos J, S8
Kihatri I, S20
Kikuchi S, S27
Kilindireas C, 227
Killeen N, S26
Killestein J, 275
Kim BJ, S40, S47
Kim DS, S42
Kim HJ, S45
Kim IS, 128
Kim J, S18
Kim KR, 128
Kim M, S45
Kim SH, S45
Kim SU, S16, S18, S25, S44
Kim YD, S42
Kimura T, S47
King CL, S28
King RHM, 452
Kingsbury AE, 142
Kinoshita M, S52
Kinsman SL, 833
Kirshner HS, S59
Kirvan CA, S24
Kissela B, S10, S74
Klaufer DI, S11
Klein GM, 130
Klein NJ, S88
Kleinman L, S69, S72, S78
Kleopa KA, S98
Kline-Rogers EM, S74
Klockgether T, S65
Kluenemann HH, S61
Klunk W, S11, S38, S39
Knöbl P, S53
Knobler S, S114
Knyazeva MG, 672
Ko DY, S79
Kobayashi S, S44
Koch HG, 463
Koenig N, 423
Koh S, 366, S108
Kohara N, 829
Kohlschütter A, S113
Kohno H, 150
Koike R, S9
Koller W, S22
Kolodgie MJ, S107
Kolson DL, 429
Kominsky D, S33
Kömpf D, 677
Konaka K, S41
Konkol RJ, S122
Kono K, 79
Kopeck-Garnett L, S105
- Korczyn AD, S35, S64
Korenke CG, 476, S125
Kosoff EH, S107
Kotagal P, S101
Kothbauer K, S110
Koubeissi M, S63, S106
Kovats T, S75
Koyuncu A, 620
Kozma CM, S78
Kracht LW, 620, S12, S31
Kraig RP, S20, S39, S43
Kranz-Eble P, 476, S124, S125
Kreiter KT, S78
Kremer K, S103
Kress W, 42
Kretzschmar HA, 150, 503
Krivit W, 108
Krohn K, S101, S104
Krumholz A, 130
Krupinski J, S13
Krupp LB, S59, S61
Krygowska-Wajs A, S22
Kryzer TJ, 690
Kuang K, 476, S125
Kuban K, S99
Kubo S, S50
Kuhl DE, 358
Kuhn L, S99
Kuiper SL, 468
Kun L, S111
Kun LE, 787
Kunkler PE, S20, S39, S43
Kurdi R, S63, S64, S103, S106
Kurisaki H, S45
Kurtzberg J, 612
Kutcher JS, S74
Kuttler A, S22
Kuzuhara S, 150
Kwak C, S21
Kwak NG, S117
Kwiatkowski DJ, S113
Kwon EE, 646
Kwon J, 112, S123
Kwong WJ, S75
- Labar D, S92
Lacaze M, 612
Lachhwani DK, S101
Ladkani D, 422
Lagenaur C, S128
Lahat N, 443
Lahrman H, S53
Laing NG, 312
Lajara-Nanson WA, S118
Lam WWM, S40
Lammers GJ, 381
Lamping D, S69
Landis T, 401, 820
Lang AE, S21, S48
Langa KM, S73
Lange NT, S122, S125
Langston JW, 254, 293
LaPointe M, 602
- Laporte J, 42
Laptook A, S99
Lasbury N, S116
Latov N, S28
Lau AS, S29, S57
La Vega-Talbott M, S102
Lavenstein BL, S115
Laws H, S96
Lawson L, S93
Lawson MA, S106
Lawton MT, S12, S70
Le TV, 494
Lebel A, S127
Lee DA, S61
Lee DH, S40, S47
Lee JM, S42
Lee JW, S42
Lee KW, S45
Lee MA, S16
Lee MJ, S51
Lee SH, S40, S47
Lee SJ, 812
Lee T, 829
Lee VMY, S15
Lees AJ, S67
Leger A, 718
Legido A, S102, S110, S114, S129
Lehéricy S, 521
Lehwald LM, S130
Leiguarda R, S47
Leite ACB, 681
Leitner G, S53
Lemmers RJLF, 816
Lennon VA, 301, 690, S9, S52
Lenz FA, 800
León A, S58
Lerner AJ, S64
Leszczyszyn DJ, S105
Leung CSY, S112
Leung J, S21
Leurgans S, S48, S49
Leuzzi V, S116
Leverenz JB, S52
Levey A, 321
Levey E, S114
Levi CR, S44
Levi G, 47
Levin B, S22
Levin KH, S126
Levin SW, S112
Levine SR, S76
Levy G, S50
Levy ML, S131
Levy Y, S14
Lewis AJ, S114
Lewis D, S93
Lewis DV, 612
Lewis LD, S28
Leyva L, S58
Lho DS, 128
Liao KK, 812
Libenson MH, S109
Lichtenfeld Y, S24
Li D, S56
Li J, S8

- Li JY, S41
 Li W, S115
 Lidsky TI, S75
 Limperopoulos C, S94
 Lin J, S54
 Lin X, S55
 Lincoln S, 293
 Link H, S8, S25
 Link MJ, S31
 Linquist AJ, S123
 Liou HH, S48
 Lippa CF, 661, S15
 Lipsky F, S95
 Lipton R, S45
 Lispi ML, S102
 Litt B, S19
 Litvan I, S48
 Litwak MS, S117
 Liu H, S48
 Liu HM, S14
 Liu R, S40
 Liu RS, 812
 Liu WK, 494
 Loh J, S95
 Loiselet J, 250
 Loisel CR, S117
 Longoni M, S42
 Lopes da Silva FH, S47
 Lopez FA, S96
 Lopez OL, S11, S38, S39
 López S, S13
 Lopez-Alberola R, S61
 Losekoot M, 269
 Lott IT, S112
 Loubinoux I, 718
 Louis ED, 425, S50
 Low MM, 129
 Lowe M, S29
 Lowenstein D, 696
 Lozano A, S21
 Lozano R, S13
 Lu A, 699
 Lu M, 602, S14
 Lublin FD, 121
 Lucas JA, S64
 Lucas M, S50
 Lucchiari S, 202
 Luders H, S101
 Lugaresi E, 421
 Lugar HM, S94
 Lunardi G, 686
 Lupski JR, 747
 Lupu C, 452
 Luque G, S58
 Lurito J, S29
 Luscombe DK, S57
 Lutfi B, S8
 Lyden P, S77

 Ma L, 476, S125
 Ma Y, 181, S14
 Maar-Schieman MLC, 765
 MacGregor DL, 163, S120, S127
 Machado C, S42
 Machetanz J, 240

 MacKay A, S123
 Madden K, S13
 Mador N, S62
 Maeda Y, S115
 Maeder P, 672
 Maier H, 216
 Maier S, S98
 Majnemer A, S94, S99, S118, S119
 Majumdar S, S37
 Makris N, S122, S125
 Malandrini A, 755
 Maleki J, S36
 Malenka R, S25
 Malhotra S, S13
 Mammis A, S13
 Mancardi G, 47
 Mandel JL, 42
 Mandler R, S57
 Manelfe C, 718
 Manfridi A, S17
 Mannan S, S39
 Manning C, S57
 Manto MU, 825
 Mao XO, 93
 Maraganore DM, 658
 Marder K, S43, S50
 Marek KL, S21
 Margolis RL, 373
 Marienhagen J, S61
 Marin F, S41
 Markowitz JS, S44
 Marshall AG, 755
 Martin BC, S70, S75
 Martin E, 824
 Martin MA, 409, S74
 Martin PL, 612
 Martin R, 349
 Martinelli P, 687
 Martinez S, S37
 Martínez-Pardo M, 409
 Martins R, S8
 Maruyama I, 261
 Maruyama T, 528
 Masdeu JC, S62
 Maselli RA, S97
 Masiado T, S69, S72, S78
 Mason WP, S77
 Mass MK, S70
 Massacesi L, 486
 Mast J, S102
 Matchar DB, S69
 Mateo CI, S19
 Mathias SD, S77
 Mathiesen C, S73
 Matoth I, S101
 Matsuki T, S47
 Matsumoto M, S41
 Matsumura K, S18, S24
 Matsuoka K, 128
 Matsuoka O, 79
 Matsuura T, 234
 Matsuzaki Y, S51
 Matteson KJ, S122
 Matthews PM, 823
 Matthews V, S29
 Mattis P, S61

 Mattson DH, S29
 Mauer A, S53
 Mauro LM, S27
 Mautz W, S110
 Mayank S, 163
 Mayer E, 401
 Mayer RF, 693
 Mayer SA, S52, S78
 Mayeux R, S15
 Mayeux-Portas V, S54
 Mayorga C, S58
 Mazières L, 521
 McArthur J, 157
 McCarthy M, S33
 McClain DA, S23
 McClintock WM, S115
 McCrindle BW, 163
 McDermott M, S33
 McDonald WI, 121
 McDonnell SK, 658
 McElroy B, S8
 McFarland HF, 121, 349, 486, S38
 McGowan JE, S129
 McGrath PJ, S123
 McGuigan C, S51
 McKinley DD, 468
 McKinley DK, 730
 McLarnon JG, S16
 McLendon RE, S31
 McLeod JG, 693
 McShane MT, S111
 Meaney B, S131
 Mednick A, S78
 Meeks L, S119
 Mégarbané A, 250
 Megargee E, S43
 Mehdi A, S79
 Mehta RH, S74
 Mejia H, S50
 Melamed E, S14, S17, S18, S46
 Melms A, 827
 Melville P, S59
 Melvin JJ, S102, S114
 Mendes de Leon C, S45
 Menezes FB, 681
 Mennuni GF, 668, S34
 Menonna JP, S115
 Mentis MJ, 514
 Meola C, S110
 Mercadal J, S13
 Merchant TE, 787
 Merdes AR, S16
 Merello M, S47
 Merlini L, 452
 Meschia JF, S9
 Messenheimer JA, S92
 Messina LM, S12
 Mesulam MM, S15
 Meunier S, 521
 Meyer BU, 240
 Meyer FB, S92
 Meyer KE, S117
 Michel C, 401
 Michelson D, S96, S123
 Middleton J, S128

 Migliaccio-Walle K, S74, S79
 Mignot E, 381
 Mikati M, S63, S64, S103, S106
 Milazzo MC, S109, S130
 Miles B, S127
 Miller A, 443
 Miller BL, 741
 Miller D, S70
 Miller JQ, 426
 Miller R, S74
 Miller RD, 321
 Miller SP, S119, S120, S121, S130
 Mina L, S64, S103
 Minagar A, S27, S28
 Minami M, 93, S32
 Minoshima S, 358, S65
 Mirabella M, 668, S34
 Mitake S, S45
 Mitchell WG, S111
 Mitsias PD, S14
 Mittal S, S73
 Mittleman BB, 486
 Miyamoto K, 117
 Miyashita H, S20
 Miyazawa K, S63
 Mizuno Y, S50, S65
 Mizusawa H, S22
 Mochizuki H, S53
 Moeller HJ, 150
 Moeller JR, 514
 Mokri B, S20
 Möller HE, 463
 Monaco AP, 755
 Monrós E, 692
 Montagna P, 421
 Montalbán X, 108
 Moomaw C, S74
 Moonis M, S75
 Moore CG, S49, S50
 Moore DF, S12
 Moore J, 825
 Moore JC, S35
 Moorthy SS, S54
 Mora CA, 807
 Morales A, S130
 Moran JE, 582
 Moran TH, S117
 Morgan BP, 646
 Morgan G, 312
 Morgan MA, 612
 Morgan PS, S56
 Morgan TM, S59, S61
 Morimoto K, 79
 Morita H, 528
 Moriwaka F, S34
 Mörk S, 389
 Mörk SJ, S110
 Morohashi T, S27
 Morris C, S12
 Morse RP, 612
 Mort D, 413
 Morton LD, S105
 Moscarello M, S57
 Moshé SL, S96

- Mott SH, S95, S126
 Motte J, S104
 Moussa H, S64, S103
 Muddle JR, 452
 Mukherjee AB, S112
 Mulkern RV, S94, S98
 Müller M, S53
 Murahashi M, S51
 Murakami T, S18, S24
 Murray TJ, S79
 Muthusamy R, S35
 Mynatt M, 157
- Nachman R, S35
 Nagai A, S16, S18, S25, S44
 Nagai M, 807
 Nagashima K, S32
 Nagatomo H, S9
 Nagayama T, 93
 Nagy A, S8
 Naito Y, S34
 Najm I, S101
 Nakagawa E, S16
 Nakagawa M, 261
 Nakamori M, S48
 Nakamura S, S47, S34
 Nakamura T, 181
 Nakashima K, 150
 Nakaya Y, 128
 Nanjundaswamy S, S75
 Narayanan V, S115, S128
 Nascimento OM, 681
 Nash RA, S37
 Nasreddine ZS, 741
 Nastasi BE, S11
 Nath A, S33, S60
 Nathanson D, S65
 Natté R, 765
 Navarro C, 108, S74
 Nave KA, 47
 Nawasiripong O, S53
 Nelson GB, S113
 Nelson S, S37
 Ness JM, S128
 Nester J, S69, S72, S78
 Neubauer B, S113
 Neumaier Probst E, S113
 Neumann M, 503
 Neville BG, 588
 Nevsimalova S, 381
 Newsham IF, S30
 Newsom-Davis J, 64
 Newton N, S119, S120
 Ng PW, S40
 Ng Y, S105
 Nguyen MD, 630
 Nicholas RS, S30
 Niehaus L, 240
 Niino M, S27
 Niiyama T, 261
 Nippoldt TB, S34
 Nishino S, 381
 Nisipeanu P, S11, S54
 Nixon R, 661
 Nobbio L, 47
- Nobile-Orazio E, 195
 Nolano M, 17
 Nonaka C, S61
 Noordmans A, S23
 Northam RS, S93
 North KN, 312
 Not T, S37
 Nourallah M, 452
 Nouzeilles MI, S47
 Novak G, S61
 Novak K, 216
 Nowinski CV, S60, S95
 Numakura C, S47
 Numazaki K, 273
 Nunes ML, S104
 Nusbaum H, S11
 Nyquist PA, S66
- Oberndorfer S, S53
 O'Brien JA, S79
 Ochoa A, S34
 O'Connor P, S39, S57
 O'Connor SE, S113
 O'Dell C, S110
 Oechsner M, 755
 O'Fallon JR, S31
 Offen D, S14, S17, S18, S46
 Ofstedal MB, S73
 Ogata A, S27, S32
 Oger J, 73
 Ohara S, 800
 O'Hearn E, 373
 Ohi H, S18, S24
 Ohno H, 150
 Ohsawa Y, S24
 Okamoto K, S34
 Oksenberg JR, S26
 Okun M, 381
 Oleszak EL, 646
 Olsen MK, 730
 Olson DM, S107
 O'Neill BP, S31
 Onodera O, S9
 Ono S, S45
 Onoé K, S27
 Onufer J, S28
 Oommen KJ, S20
 Oostveen JA, 468
 Opal P, S21
 O'Riordan J, S51
 Orrin S, S11
 Orr-Unreger A, S35
 Orr-Urtreger A, S64
 Ortigue S, 401
 Osame M, 261
 Osanai R, S52
 Osawa Y, S18
 Osborne D, S16
 Ostapkovich N, S78
 Osterhaus ADME, 274
 Otapkovich N, S78
 Otto M, 150
 Overeem S, 381
 Owada K, S22
 Ozaki A, S18, S44
- Ozelius L, S21
- Pachner AR, 330
 Pachner S, 330
 Packer RJ, S111, S114
 Padberg GW, 816
 Padilla S, S111
 Panagiotides I, 227
 Pando A, S42
 Panet A, S62
 Panet H, S14, S18
 Paolo I, S59
 Papadopoulos G, S79
 Papamitsakis NIH, S14
 Pape LA, S74
 Paradiso G, S21
 Pardo CA, S97
 Pariente J, 718
 Parikh NA, S129
 Parisi JE, S9
 Park K, S92
 Park KW, S40, S47
 Park L, 112
 Park MH, S40, S47
 Park MK, S40, S47
 Parra J, S47
 Parrish JA, S17
 Parrish T, S15
 Parsa M, S77
 Parton MJ, 553
 Partridge JC, S119, S120, S121
 Pascual JM, 476, S124, S125
 Pasnoor M, S14
 Pasta DJ, S77
 Pastor MA, S62
 Patarroyo JC, S26, S27, S28
 Patel SC, S14
 Pathak DS, S75
 Patsouris E, 227
 Paty DW, 121, S29, S56
 Pearl PL, S95, S101, S104, S107, S115, S126
 Pease-Fye M, S12
 Peery S, S78
 Peeters A, 544
 Pegna AJ, 820
 Pellock JM, S105
 Peltola J, 275
 Peña AS, 275
 Pendlebury W, S36
 Peñuelas I, S62
 Pepper L, S30
 Perentes E, S110
 Perlman J, S99
 Perone PS, S59
 Perry A, S30
 Perry S, S78
 Petanceska S, S8
 Peterhoff C, 661
 Petersen Se, S94
 Peterson JW, 389
 Peterson K, S60
 Peterson P, S127
- Petheram SJ, S130
 Petit L, 820
 Petro DJ, S32
 Petrov T, S19
 Petrucelli L, 293
 Pettigrew LC, S40
 Pevsner J, S97
 Pfefferbaum A, 823
 Phan T, S43
 Phillips LH II, S52
 Phillips M, S29
 Pierantozzi M, 686
 Pietrojusti A, 686
 Pilat J, S45
 Pineda M, 692
 Pinter MJ, 26
 Piqueras C, S41
 Pirkker S, 216
 Pirtosek Z, 567
 Piskurich JF, S28
 Pitt D, 169
 Plaitakis A, 227
 Plawner LL, S114
 Pleitez M, S23
 Plum F, 1
 Poewe W, S49
 Polinsky R, 421
 Pollard JD, 286
 Pollock BA, S31
 Polman CH, 121, 275
 Ponticello L, S92
 Póo P, 692
 Popa G, 452
 Posner HB, S15
 Posner JB, 339
 Potolicchio SJ, S47
 Potter DL, S35
 Potter PJ, S62
 Power C, 434
 Powers R, S17
 Prass K, 665
 Prass M, 665
 Prella A, 202
 Preston T, S61
 Prineas JW, 646
 Protell P, 254
 Provenzale JM, 612
 Provitera V, 17
 Práxek LJ, 417
 Pugliatti M, S51
 Pyzik PL, S107
- Quasney MW, 157
 Quencer R, S28
 Quig ME, S57
 Quik M, 254
 Quinn CO, S128
- Rabinowicz A, S47
 Rabinowitz R, S35, S64
 Raffel C, S92
 Rafols JA, S19
 Raguer N, 108
 Rahmeh A, S63, S106
 Raine CS, 169
 Rainesalo S, 275

- Rajput A, S20
 Raman R, S36
 Rambold H, 677
 Ramilo O, S99
 Rampoldi L, 755
 Rascol O, 718
 Rasmussen A, 234
 Ratzliff ADH, 708
 Ravid S, S109
 Ravn K, 540
 Rawashdeh H, 443
 Rebeck GW, 661
 Reddy AT, S128
 Reddy VR, S54
 Reder AT, S27
 Reegt AP, S79
 Reeves D, S57
 Reigle SC, S101, S104, S107, S126
 Reilly MM, S51
 Reiman EM, S16
 Reingold SC, 121
 Renault B, 521
 Reploeg MD, S42
 Rezanian K, S53
 Riaz A, S69
 Riba A, S43
 Riback PS, S35, S117, S131
 Ricci JF, S70, S75
 Rich JN, S31
 Rich M, S9
 Rich MM, 26, 773
 Rich S, S126
 Richardson-Burns S, S33
 Richert J, S38
 Richert N, S38
 Richman DP, S24
 Richmonds C, S55
 Riess O, S65
 Ripley B, 381
 Risner ME, S92
 Riva R, 687
 Rivest S, 630
 Riviello J, S123
 Rivkin MJ, S94, S98, S110
 Rizvi S, S59
 Rizzo JA, S76
 Roberds SL, 730
 Roberts AK, S44
 Roberts PS, S113
 Robertson R, S98
 Robidoux J, 741
 Robinson R, S123
 Rocca WA, 658
 Rocchi M, S65
 Rogers T, 452
 Rogers W, 381
 Roggendorf M, 423
 Rohlicek C, S94
 Rohowsky-Kochan C, S65
 Roldán V, S41
 Román GC, 426
 Rondina M, S130
 Ronen GM, S69, S105, S131
 Roos RAC, 765
 Roper SN, 188
 Ropper AH, S46
 Rörich S, 240
 Rorke LB, S111
 Rosati G, S51
 Rose J, S55
 Rosenbaum DM, S13
 Rosenbaum P, S69
 Rosenbaum PS, S13
 Rosenberg GA, 431, S12
 Rosenberg T, 540
 Rosenblatt A, 373
 Rosenblatt B, S94
 Rosenfeld MR, 339
 Rosenwald A, 349
 Rösler N, 828
 Ross CA, 112, 373
 Ross M, S60
 Rosser T, S107, S114
 Rostasy K, S97
 Rothman SM, S102
 Rouleau GA, S54
 Rovaris M, 422
 Roy S, 796
 Royal SA, S128
 Royle JP, S44
 Ruano L, 234
 Rubeiz H, S53
 Rubinow DR, S19
 Rubio JC, 409, S74
 Rubio JP, S55
 Rudick RA, S70
 Rueda-deCastro AM, 780
 Ruiz P, S26
 Ruiz PJ, S30
 Rundek T, S73
 Ryan MM, 312
 Ryan S, S60
 Rye D, 321
 Rylander A, S77
 Ryu JK, S18, S25, S44
 Ryu SH, S42
 Sacco RL, S73
 Sadiq SA, S54, S56
 Sadovnick AD, S52, S51
 Saenz J, S17
 Said RR, S109
 Saiki M, S40
 Saiki S, S40, S54
 Saito T, S34
 Saitou K, S9
 Sakai T, S9
 Sakoda S, S41
 Sala G, S42
 Salem N, 250
 Salganicoff L, S114
 Sallan S, S110
 Salman MS, S112
 Salson D, S44
 Saltalamacchia AM, 17
 Samsa GP, S69
 Sancesario G, 686
 Sanchez RM, S98
 Sandberg-Wollheim M, 121
 Sandercock PA, 208
 Saneto RP, S101, S105
 Sanghera MK, S46
 Sankar V, S35
 Sanna A, S25
 Santhakumar S, S14
 Santhakumar V, 708
 Santiago AJ, S72
 Santoro L, 17
 Sargent S, 157
 Sarnat HB, S96
 Sasaki H, 150
 Satta WM, S51
 Sauerbeck L, S10
 Saunders C, S57
 Savatic M, S109, S130
 Savitz SI, S13
 Saxton J, S11, S38, S39
 Scaglia F, 747
 Scalabrino G, S17
 Scaravilli F, S51
 Scarlato G, 202
 Scarneas N, S43
 Schachter SC, 277
 Schapira AHV, 142
 Scheltens P, 258
 Schenone A, 47
 Scherer SS, S98, S128
 Scherl WF, S59
 Schievink WI, S15
 Schiffer RB, S118
 Schiffmann R, S12
 Schifitto G, S33
 Schlaggar BL, S94
 Schmeichel AM, 640
 Schmidt ML, S15
 Schmidt PJ, S19
 Schmitt M, S43
 Schmitz G, S61
 Schneider J, 824
 Schneider JS, S45, S75
 Schnell C, 312
 Schneweis S, S12
 Schöls L, S65
 Schon F, 413
 Schramke CJ, S29
 Schreiber SS, S18
 Schrijver HM, 275
 Schröder NWJ, 665
 Schulz JB, 827
 Schulz-Schaeffer W, 503, 532
 Schwalb M, S65
 Schwartz M, 540
 Schwartzman RJ, S36
 Schwartzman RL, S46
 Scott LJC, S12
 Scott TF, S29
 Sébire G, S119
 Secades JJ, S13
 Segal S, 266
 Segers V, S119
 Seibyl JP, S21
 Sekijima Y, S9
 Selak M, S46
 Selnes OA, S61
 Selvaraj N, S75
 Senger C, S112
 Seppi K, S49
 Seto T, 79
 Seya T, 486
 Shaffer LG, 747
 Shafqat S, S42
 Shah DM, S72
 Shah N, S126
 Shaia WT, S121
 Shalak L, S99
 Shan DE, 812
 Shapiro S, 443
 Shapiro SM, S120, S121
 Sharba AK, S41
 Sharbrough FW, S92
 Sharer LR, 646
 Sharp A, S56
 Sharp FR, 699
 Sharp GP, S108
 Shaw CE, S53
 Sheremata WA, S27, S28
 Sheridan C, S93
 Sherman D, S13
 Shevell MI, S94, S99, S109, S118, S119
 Shibasaki H, 128, 829
 Shibuya S, S24, S51
 Shield LK, 312
 Shiga Y, S53, S63
 Shimizu H, S53, S63
 Shimizu N, S45, S65
 Shimizu T, S18, S24
 Shintaku H, 79
 Shiraishi T, 261
 Shirvan A, S17
 Shmarov A, 452
 Shopp GM, S117
 Shoubridge EA, 133
 Shu G, 330
 Sibley W, 121
 Siddique T, S17
 Siffert J, S110
 Silber MH, S34
 Silva C, 434
 Silverstein MD, S75
 Sima AAF, 358
 Simon EM, S114
 Simon RP, 93
 Simonian NA, S70
 Simpson JE, S37
 Simsarian J, S57
 Singer HS, S117
 Singh M, S13
 Singh-Kler R, 104
 Singleton AB, 293, 658
 Singleton JR, S23
 Sismanis A, S121
 Skedgel C, S79
 Sketris IS, S79
 Sklaviadis T, 227
 Skljarevski V, S36
 Slavin AJ, S27
 Small S, S11
 Smergel EM, S129
 Smiroldo J, S59
 Smith BE, S23
 Smith D, S58
 Smith DE, S74

- Smith M, S111
 Smith MJ, 503, S19
 Smith PEM, 104
 Smith W, S96
 Söderström M, S25
 Sohn YH, S31
 Solano F, S50
 Soldan SS, 486
 Soliven B, S53
 Solodkin A, S11
 Solomon GE, S102
 Soltanian-Zadeh H, S14
 Soltesz I, 708
 Soma O, S47
 Son M, 273
 Song D, S23
 Soong BW, 812
 Soos JM, S27, S28
 Sormani MP, 422
 Sorgiu A, S51
 Sorgiu S, S51
 Soul JS, S99, S121
 Sparano A, S72
 Specchia C, S65
 Speizer FE, 56, 780
 Spence D, 787
 Spencer C, S121
 Spencer RF, S121
 Sperk G, 216
 Spielman DM, 823
 Srinivasan R, S29
 Sriram S, S37
 Srivastava AK, 796
 Stables JP, 458
 Stadler WM, S53
 Stahl AM, S95, S126
 Standaert D, S97
 Stanzani L, S42
 Stanzione P, 686
 Staudt LM, 349
 Steen RG, 787
 Steffens JD, S60
 Steiner I, S62
 Steinman L, S26, S30
 Stephan DA, S115
 Stephenson D, S51
 Sterk K, S69, S78
 Stern N, S46
 Stern Y, S43
 Stewart RM, S46
 Stoessl AJ, 688
 Stone JL, S64
 Stone L, S38
 Stoof JC, 34
 Storer RJ, 804
 Storey JR, S35
 Stork JL, S44
 Stout C, S24
 Stratman NC, 468
 Streif B, S123
 Streifler J, S14
 Streiner D, S69
 Strickland CD, 312
 Stürzebecher CS, 349
 Stüve O, S26, S27, S28
 Su PC, S14, S48
 Suanda Y, S24
 Subramaian K, S65
 Suchowski O, S22
 Suchara M, 261
 Sullivan CL, S57
 Sullivan EV, 823
 Sun CM, 812
 Sun CX, S30
 Sun R, S65
 Sunada Y, S18
 Sunocko U, S99
 Suskind D, S118
 Suter U, 47
 Sutton I, 755
 Swan A, 195
 Sweeney M, S51
 Sweet RA, S11, S38, S39
 Sweet VT, S114
 Swerdlow RH, S37
 Swoboda K, S127
 Syed NA, S42
 Sylvester A, S56
 Symmans WA, 755
 Szaflarski JP, S10, S19, S74
 Szeto L, S53
 Sztajzel R, 820
 Tabira T, 117
 Tada T, 528
 Tahmoush AJ, S36
 Taivassalo T, 133
 Takahashi H, S53
 Takahashi K, 117, S45
 Takahashi N, S53
 Takahashi Y, S9
 Takao S, 829
 Takashima M, S61
 Takeoka M, S122, S125
 Takusa Y, S47
 Tan L, 254, 293
 Tan Z, S18
 Tanaka A, 79
 Tanaka H, S9, 747
 Tanaka Y, S61
 Tandan R, S36
 Tang MX, S15
 Tang Y, 699
 Tanner C, 293
 Taschner PEM, 269
 Tashiro K, S27, S32, S34
 Taustein I, S101
 Taylor ML, S129
 Taylor RW, 104
 Tchervenkov C, S94
 Teijeira S, 574
 Tempb RJ, S123
 Tench CR, S56
 Tepley N, 582
 Terado M, S32
 Terakawa H, S48
 Terayama Y, S76
 Tézenas du Montcel S, 521
 Thal LJ, S16
 Tharp A, S37
 Theodore WH, S19
 Theye FW, S123
 Thiel A, 620, S31
 Thiel T, 824
 Thio LL, S103
 Thirumalai S, S126
 Thobois S, 269
 Thomas J, S69, S72, S78
 Thomas M, S65
 Thomas PK, 452
 Thompson A, 121, S69
 Thompson EJ, S88, S57
 Thompson JA, S127, S130
 Tilikete C, 269
 Tilton AH, S118
 Ting JPY, S28
 Tintner R, S21
 Tison F, 755
 Tissinigh G, 258
 Tiwana H, S57
 Togasaki DM, 254
 Tolar M, S32
 Tomaiuolo F, S113
 Tonali PA, 668, S34
 Tong K, S93
 Tongiorgi E, S37
 Toor S, S93
 Toran MB, S46
 Torfs K, S74, S76
 Tornatore C, S58
 Torrente Y, 202
 Toth Z, 708
 Tournev I, 452
 Towne AR, S105
 Trapp BD, 389, 823
 Tremb RJ, S60, S95
 Tremlett HL, 422, S57
 Tremolizzo L, S42
 Trevathan E, S103
 Tripathi M, 796
 Trojaborg W, S52
 Trojanowski JQ, S15
 Troncoso JC, 373
 Truong WT, S20
 Tseng HM, 514, S48
 Tsoi TH, S40
 Tsuboi Y, S22
 Tsuda T, S63
 Tsui H, S57
 Tsuji S, S9
 Tuchman M, S115
 Tuffiash E, 561
 Tuite P, S9
 Turkel SB, S111
 Turnbull DM, 104
 Tusa RJ, 277, 694
 Tüzün E, 73
 Tycko B, S43
 Tyler JD, S122
 Tyler KL, S33
 Tzagournissakis M, 227
 Tzourio C, 129
 Uckawa K, S9
 Ueda H, S41
 Uemura N, S51
 Uitdehaag BMJ, 258, 275
 Uitti RJ, S22
 Ullrich K, 463
 Upton ARM, S48
 Urakami K, 150
 Urbanits S, S53
 Usiskin J, S57
 Uyama E, S9
 Vaithianathar L, S56
 Vajapeyam S, S94, S98
 Valdes P, S42
 Van Broeckhoven C, 661
 van Bunderen PA, 269
 Van den Bergh P, 195
 van den Noort S, 121
 Van der Knaap MS, 665
 van der Maarel SM, 816
 van der Wielen MJR, 816
 van Diggelen OP, 269
 van Doorn P, 195
 van Duijn C, 661
 van Duinen SG, 765
 van Geel M, 816
 Vankova J, 381
 VanOrman CB, S127, S130
 van Veen T, 275
 van Winsen L, 275
 Varady J, S38
 Vasilescu A, S125
 Vattermi G, S22
 Vawter MP, S97
 Veber D, S17
 Velísková J, 596
 Verghese-Nikolaki S, 227
 Verjans GMGM, 274
 Vernino S, 301, S9, S34
 Vezina LG, S95, S107, S111, S115
 Viaud-Delmon I, 401
 Viazov S, 423
 Vicari S, S113
 Vick NA, 833
 Viconte V, S41
 Vidalhet M, S21
 Vidaurre I, S33
 Vidotto C, S53
 Vigeveno F, S102
 Vigneron D, S119
 Vigneron DB, S120
 Vigneron DJ, S121
 Villoslada P, S26
 Vincent A, 64, 73
 Vining EPG, S107
 Virues T, S42
 Viskadouraki AK, 227
 Vissing J, S40
 Vitale E, S65
 Vokes EE, S53
 Volpe JJ, S98, S99, S121
 von Büdingen HC, S26
 von Moers A, 476, S125
 Vorstman EBA, S111
 Vowles J, S57
 Voznyi YV, 269
 Vuilleumier P, 401
 Vuong K, S21

- Waber DP, S94, S110
 Wade DF, 339
 Wainwright MS, 612
 Wakayama Y, S24, S51
 Walker RH, 755
 Wallace DB, S46
 Wallace JA, S12
 Wallin M, S57
 Wandinger KP, 349
 Wang D, 476, S124, S125
 Wang M, S9
 Wang MS, 773
 Wang N, S35, S64
 Wang S, S38
 Wang W, 404
 Wang X, S56
 Wang XF, S31
 Wang Y, 602
 Wang ZJ, 266
 Wanschitz J, 421
 Warach S, S13
 Ward AJ, S74, S76
 Ward JD, S105
 Wardlaw JM, 208
 Warlow CP, 208
 Warner J, S35, S55
 Warren KG, 434
 Wasay M, S42
 Wasser T, S69, S72, S78
 Wassermann EM, S19
 Watanabe T, S116
 Waterhouse EJ, S105
 Watson C, S19
 Watt JM, 755
 Waye JS, 108
 Weaver RJ, 468
 Weglage J, 463
 Weiler MD, S94
 Weimer LH, S52
 Weiner HL, S27
 Weiner W, S22
 Weinshenker BG, 121, S55
 Weinstein SL, S95, S101, S104, S107, S115, S126
 Weinstock-Guttman B, S58, S70
 Weintraub S, S15
 Weisz W, S113
 Welch KMA, 582
 Wells SJ, S121
 Wendelschafer-Crabb G, 17
 Wendland M, S37
 Wenning GK, S49
 Werner P, 169
 Wernicke JF, S96, S123
 Wheless JW, S105
 Whetsell W, S37
 Whipple R, S45
 White LW, S93
 Whiteman M, S28
 Whittemore SR, S33
 Wibrand F, 540
 Wichart I, 828
 Wiedermann D, 463
 Wijdicks EFM, S15, S34, S43
 Wilczynski GM, S22
 Wiles CM, S57
 Wilhelmsen KC, 741
 Wilken JA, S57
 Willcox N, 64
 Willett WC, 56
 Williams A, 588
 Williamson CA, S37
 Willison H, 195
 Willour V, 373
 Wilson B, S61
 Wilson C, S57, S58, S59
 Wilson DA, S20
 Wilson RS, S45
 Wiltfang J, 150
 Windebank AJ, 47
 Winer S, S57
 Wingerchuk DM, S55
 Wirguin I, S24
 Wisniewski KE, S112
 Wityk RJ, S61
 Wojciulik E, S39
 Wolf T, 665
 Wolff JA, S125
 Wolfson L, S45
 Wolinsky JS, 121, 422
 Wollmann RL, S113
 Wolraich D, S98, S110
 Wolters ECh, 34
 Wong CP, S124
 Wong KS, S40
 Wong M, S103
 Woo D, S10, S74
 Wood E, S103
 Wood NW, S51
 Woodroffe MN, S37
 Woodward LJ, S121
 Wooten F, 537
 Worrell C, S115
 Worrell GA, S43
 Wright B, S69
 Wszolek ZK, S22
 Wu S, 787
 Wu YW, S130
 Wucherpfennig K, S38
 Wyllie E, S101
 Wymer JP, S35
 Xiao BG, S8
 Xiong X, 787
 Xu B, S38, S94
 Xu Q, S20
 Yamada Y, 528
 Yamamoto M, S76
 Yamano T, 79
 Yamano Y, 807
 Yamawaki M, S22
 Yamaya Y, S40, S54
 Yamazaki S, S116
 Yan WX, 286
 Yanagihara T, S41
 Yang H, 476, S124, S125
 Yang XF, S102
 Yao W, S60
 Yee I, S51
 Yen R, S48
 Yen RF, 514
 Yen SH, 494
 Yescas P, 234
 Yeung V, S40
 Ying Z, S101
 Yokoseki A, S9
 Yokoyama E, S61
 Yoo SS, S94
 Yorns W, S97
 Yoshikawa H, S48, S116
 Yoshino H, S65
 Yoshioka A, S40, S54
 Youl B, 452
 Younkin LH, S64
 Younkin SG, S64
 Youssef S, S26
 Yu YA, S35
 Yu Z, 690
 Yuasa T, S9
 Yum SW, S98, S114, S128
 Zabor MT, 269
 Zaganas I, 227
 Zamrini E, S17
 Zamvil SS, S26, S27, S28
 Zanelli SA, S129
 Zayas M, S50
 Zecchini D, S29
 Zekri M, S44
 Zhai H, S76
 Zhang J, S65
 Zhang L, 602
 Zhang Q, 157, S76
 Zhang R, 602
 Zhang SM, 56, 780
 Zhang Z, 602, S112
 Zhao G, S56
 Zhao H, 266
 Zhao S, S70
 Zhu WJ, 188
 Zifko U, S53
 Zimmerman AW, S95, S122
 Zimmerman RA, 266
 Ziv I, S17
 Zochodne D, S20
 Zschenderlein R, 665

Subject Index

Abducens nerve

it's the course, of course: dispelling the myth of the long abducens nerve (Hanson et al) 2001;50:S131

Abducens palsy

corticospinal tract dysfunction, bilateral abducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60

Acetazolamide

sodium channel inactivation defects are associated with acetazolamide-exacerbated hypokalemic periodic paralysis (Bendahhou et al) 2001;50:417

1-Acetyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline

increased concentrations of a novel compound, 1-acetyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, in Parkinsonian brains (Deng et al) 2001;50:S20

N-Acetylaspartate

N-acetyl aspartate and its ratio to total creatine in the hippocampal CA1 area after transient cerebral ischemia in gerbils (Konaka et al) 2001;50:S41

N-acetylaspartate: usefulness as an indicator of viable neuronal tissue (Arnold et al) 2001;50:823(Letter)

N-acetylaspartate—a marker of neuronal integrity (Sullivan et al) 2001;50:823 (Letter)

Acetylcholine receptors

construction and expression of recombinant antiacetylcholine receptor monoclonal antibodies to study the role of complement activation in experimental autoimmune myasthenia gravis (Kirvan et al) 2001;50:S24

Acetylcholine receptors, nicotinic

ganglionic acetylcholine nicotinic receptor $\alpha 5$ subunits in modulation of heart rate (Wang et al) 2001;50:S64

nicotinic acetylcholine receptor subunits $\alpha 5$ and $\beta 4$ in ileal contractile response to ganglionic agonists (Wang et al) 2001;50:S35

Acinetobacter

antibodies to *Acinetobacter* and *Pseudomonas* are present in bovine spongiform encephalopathy (Wilson et al) 2001;50:S59

antibodies to *Acinetobacter* but not to *Escherichia coli*, *Klebsiella*, or *Proteus* are present in multiple sclerosis (Ebringer et al) 2001;50:S57

multiple sclerosis patients have elevated levels of antibodies to *Acinetobacter* peptides that mimic neurofilaments (Hughes et al) 2001;50:S58

Action tremor

clinical correlates of action tremor in Parkinson's disease (Louis et al) 2001;50:S50

Adderall

reassessing the efficacy of Adderall after prolonged treatment for attention-deficit hyperactivity disorder (Ahmann et al) 2001;50:S123

Adenosine triphosphate

intercellular calcium signaling in astrocytes via adenosine triphosphate release (Charles and Stout) 2001;50:S24

Adenoviruses

adenoviral transfer of the *WLDs* gene provides protection against axonal degeneration in rat dorsal root ganglia cultures (Glass et al) 2001;50:S9

Adolescents

overuse of electroencephalogram in the evaluation of common neurological conditions in children and adolescents (Matoth et al) 2001;50:S101

revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127

Adrenoleukodystrophy

increased glial cell birth and death in the white matter of adrenoleukodystrophy brain (Chapin et al) 2001;50:S115

Adrenoleukodystrophy, X-linked

monozygotic twins with X-linked adrenoleukodystrophy and different phenotypes (Di Rocco et al) 2001;50:424 (Letter)

Adverse Reporting System (AERS) (FDA)

comparison of adverse reaction reports for rivastigmine and donepezil using the FDA's Adverse Reporting System (Rizzo et al) 2001;50:S76

Aerobic conditioning

aerobic conditioning in patients with mitochondrial myopathies: physiological, biochemical, and genetic effects (Taivassalo et al) 2001;50:133

African-Americans

multiple sclerosis characteristics in African-American patients in the New York State MS Consortium (Weinstock-Guttman et al) 2001;50:S58

Aged

Parkinson's disease with elderly onset: case-control study of clinical expression and management (Diederich et al) 2001;50:S49

Aggression

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001;50:S38

Aggressive case management

aggressive case management in the Lowering of Vascular Atherosclerotic Risk Study improves quality of life for patients who have suffered ischemic events (Masiado et al) 2001;50:S78

Aging

motor impairment in normal aging, possible and definite Parkinson's disease: longitudinal evaluation of a cohort of prospective brain donors (Adler et al) 2001;50:S49

new-onset hypertension after age 65 years and the risk of subsequent dementia (Posner et al) 2001;50:S15

Agitation

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001;50:S38

Agrypnia

relapsing-remitting autoimmune agrypnia (Batocchi et al) 2001;50:668, 2001;50:S34

Aicardi syndrome

Aicardi syndrome: long-term prognosis in 77 patients (Rosser et al) 2001;50:S114

Alferon N

response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α n-3 (alferon N) versus untreated patients (Onufer et al) 2001; 50:S28

Allergic encephalomyelitis, experimental

autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26

clinical course of experimental allergic encephalomyelitis is significantly alleviated in CD6-deficient mice (Stuve et al) 2001;50:S26

treatment of experimental allergic encephalomyelitis with 3-HMG CoA reductase inhibitors (statins) decreases disease activity in a dose-dependent manner (Stüve et al) 2001;50:S26

Alzheimer's disease, analysis

amyloid β protein plasma levels correlate with serum cholesterol parameters in apolipoprotein E ϵ 4-negative Alzheimer's disease patients and controls (Arvanitakis et al) 2001;50:S64

changes in whole-brain volumetry in Alzheimer's disease and normal controls: analysis using voxel-based morphometry (Kaplanoglu et al) 2001;50:S15

gonadal hormones control Alzheimer's β -amyloid levels in vivo (Gandy et al) 2001;50:S8

increased hair polyamine levels in patients with Alzheimer's disease (Choi et al) 2001;50:128 (Letter)

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001; 50:S38

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39

Alzheimer's disease, assessment

can the Mini-Mental State Examination and the Alzheimer's disease assessment scale (cognitive) be converted directly? evidence based on predictions of patient disability (Ishak et al) 2001;50:S74

quantitative olfactory threshold measurement in subjects with a family history of Alzheimer's disease (Stewart et al) 2001;50:S46

Alzheimer's disease, differential diagnosis

Alzheimer's disease versus dementia with Lewy bodies: cerebral metabolic distinction with autopsy confirmation (Minoshima et al) 2001;50:S38

awareness of memory deficit and behavioral abnormalities in patients with severe dementia: differences between Alzheimer's and non-Alzheimer's patients (Al-Aloucy et al) 2001;50:S44

endocytic disturbances distinguish among subtypes of Alzheimer's disease and related disorders (Cataldo et al) 2001;50:661

Alzheimer's disease, drug therapy

behavioral and cognitive benefits of rivastigmine in nursing home patients with Alzheimer's disease and related dementias: a 26-week follow-up (Etamad et al) 2001; 50:S44

economic impact of galantamine in mild to moderate Alzheimer's disease (Caro et al) 2001;50:S79

maintenance of cognitive function with galantamine in patients with Alzheimer's disease: a 1-year survival analysis (Markowitz et al) 2001;50:S44

patterns of change in the treatment of psychiatric symptoms in patients with probable Alzheimer's disease from 1983 to 2000 (Lopez et al) 2001;50:S11

Alzheimer's disease, genetics

association between ApoE genotype and psychiatric symptoms in Alzheimer's disease (Scarmeas et al) 2001;50: S43

large-scale, multicenter study of cerebrospinal fluid tau protein phosphorylated at serine 199 for the antemortem diagnosis of Alzheimer's disease (Itoh et al) 2001; 50:150

Alzheimer's disease, management

to what degree does cognitive impairment in Alzheimer's disease predict dependence of patients on caregivers? (Ward et al) 2001;50:S76

Alzheimer's disease, pathology

pathogenesis of Alzheimer's disease in Down's syndrome: developmental considerations (Head et al) 2001;50: S112

Alzheimer's disease, risk

depressive symptoms and risk of Alzheimer's disease in older patients (Wilson et al) 2001;50:S45

development and independent validation of prospective mortality risk-adjustment models for Alzheimer's disease and related dementias based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S75

Ambulatory practice

pediatric migraine equivalents: occurrence and clinical features in ambulatory practice (Al-Twaijri and Shevell) 2001;50:S109

American Neurological Association

the ecstasy and the agony: Dr Royal W. Amidon and early years of the American Neurological Association (Stone) 2001;50:S64

Amidon, Royal W.

the ecstasy and the agony: Dr Royal W. Amidon and early years of the American Neurological Association (Stone) 2001;50:S64

Amniotic epithelial cell transplantation

amniotic epithelial cell transplantation for spinal cord injury repair: novel treatment strategy for the next decade (Sankar and Muthusamy) 2001;50:S35

AMPA receptors

calcium-permeable AMPA receptors present in developing oligodendrocytes in a rodent model of periventricular leukomalacia (Follett et al) 2001;50:S98

Amphetamine

randomized, controlled trial of a once-daily amphetamine formulation, SLI381, in children with attention-deficit hyperactivity disorder (Lopez et al) 2001;50:S96

β -Amyloid

amyloid β protein plasma levels correlate with serum cholesterol parameters in apolipoprotein E ϵ 4-negative Alzheimer's disease patients and controls (Arvanitakis et al) 2001;50:S64

gonadal hormones control Alzheimer's β -amyloid levels in vivo (Gandy et al) 2001;50:S8

human apolipoprotein E accelerates β -amyloid deposition in APPsw transgenic mouse brain (Carter et al) 2001; 50:468

locus ceruleus regulates β -amyloid-induced cortical inflammation (Feinstein et al) 2001;50:S16

Amyloidosis

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

Amyotrophic lateral sclerosis

- a 32-Kd neuronal protein is involved in the pathogenesis of some patients with amyotrophic lateral sclerosis on the basis of abnormal immune and genetic responses (Sadiq et al) 2001;50:S54
- compound heterozygosity and variable penetrance in *SOD1* amyotrophic lateral sclerosis pedigrees (Parton et al) 2001;50:S53 (Letter)
- induction of proinflammatory molecules in mice with amyotrophic lateral sclerosis: no requirement for proapoptotic interleukin-1 β in neurodegeneration (Nguyen et al) 2001;50:630
- Japanese phase II clinical study of SR57746A (xaliproden) in amyotrophic lateral sclerosis (Tashiro et al) 2001;50:S34
- motor unit survival in a controlled trial of xaliproden for the treatment of amyotrophic lateral sclerosis (Gooch et al) 2001;50:S23
- survival in a transgenic model of FALS is independent of iNOS expression (Son et al) 2001;50:273 (Letter)

Amyotrophy, neuralgic

- atypical presentations of neuralgic amyotrophy in children (Ghosh et al) 2001;50:S126

Anemia, iron-deficiency

- iron-deficiency anemia, thrombocytosis, and stroke: a case series and review of the literature (Reploeg et al) 2001;50:S42

Anesthesia

- efficacy of eutectic mixture of local anesthetic (EMLA) cream as a topical anesthetic for lumbar puncture (Milazzo et al) 2001;50:S130

Aneurysms

- systemic lupus erythematosus and intracranial aneurysms (Goodman et al) 2001;50:S15

Angioma, cavernous

- clinical and molecular studies in Spanish and Portuguese cavernous angioma (Lucas et al) 2001;50:S50

Animal models

- genetic study of the multilined foot rat, an animal model for human hereditary sensory neuropathy (Lee et al) 2001;50:S51
- nigrostriatal collaterals to thalamus degenerate in parkinsonian animal models (Freeman et al) 2001;50:321
- sodium channel inactivation in an animal model of acute quadriplegic myopathy (Rich and Pinter) 2001;50:26

Annals of Neurology

- Annals* 25th anniversary (Plum) 2001;50:1 (Editorial)

Annexin V

- 1 C/T annexin V polymorphism: role in primary intracranial hemorrhage (Iniesta et al) 2001;50:S41

Anomia

- cholinergic therapy for anomia in fluent aphasia (Tanaka et al) 2001;50:S61

Anti-neuronal nuclear antibodies

- ANNA-3 anti-neuronal nuclear antibody: marker of lung cancer-related autoimmunity (Chan et al) 2001;50:301

Antibodies

- ANNA-3 anti-neuronal nuclear antibody: marker of lung cancer-related autoimmunity (Chan et al) 2001;50:301
- anti-GM1 antibody activates NF- κ B and increases nitric oxide secretion in cultured endothelial cells forming blood-nerve barrier (Kanda et al) 2001;50:S22
- anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

antibodies to *Acinetobacter* and *Pseudomonas* are present in bovine spongiform encephalopathy (Wilson et al) 2001;50:S59

antibodies to *Acinetobacter* but not to *Escherichia coli*, *Klebsiella*, or *Proteus* are present in multiple sclerosis (Ebringer et al) 2001;50:S57

antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123

are the "newly discovered" paraneoplastic anti-collapsin response-mediator protein 5 antibodies simply anti-CV2 antibodies? (Honnorat et al) 2001;50:688 (Letter)

autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26

a double-blind, placebo-controlled, crossover trial of intravenous immunoglobulin in the treatment of anti-GAD antibody-positive patients with stiff-person syndrome (Dalakas et al) 2001;50:S8

effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117

familial stiff-man syndrome with GAD65 antibody (Burns et al) 2001;50:S51

ganglioside antibody reactivity detected in neuropathy associated with celiac disease (Alaedini et al) 2001;50:S28

magnetic imaging resonance characteristics of antibody-mediated demyelination (Genain et al) 2001;50:S37

multiple sclerosis patients have elevated levels of antibodies to *Acinetobacter* peptides that mimic neurofilaments (Hughes et al) 2001;50:S58

possible protective role of anti-GM1 antibodies: prevention of conduction block in a rat model of intraneural hypersensitivity reaction (Ifegane et al) 2001;50:S24

poststreptococcal acute disseminated encephalomyelitis with basal ganglia involvement and auto-reactive anti-basal ganglia antibodies (Dale et al) 2001;50:S88

potassium channel antibodies in two patients with reversible limbic encephalitis (Buckley et al) 2001;50:73

Anticonvulsants

are certain diuretics also anticonvulsants? (Hesdorffer et al) 2001;50:458

Antigen; see also Human lymphocyte antigen

P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001;50:286

Antigen presentation

requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27

Antilipid medications

antilipid medications and risk of intracerebral hemorrhage (Woo et al) 2001;50:S10

Aortic dissection

the effect of stroke on outcome of acute aortic dissection: results from the International Registry of Aortic Dissection (Kutcher et al) 2001;50:S74

Apathy

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39

Aphasia

cholinergic therapy for anomia in fluent aphasia (Tanaka et al) 2001;50:S61

Apnea

epilepsy and sleep apnea syndrome (Ales and Potolicchio) 2001;50:S47

Apolipoprotein E

association between ApoE genotype and psychiatric symptoms in Alzheimer's disease (Scarmeas et al) 2001;50:S43

distinctive interaction between long-term memory and daytime somnolence in cognitively normal apolipoprotein E ϵ 4/4 homozygotes (Caselli et al) 2001;50:S16

human apolipoprotein E accelerates β -amyloid deposition in APPsw transgenic mouse brain (Carter et al) 2001;50:468

Apoptosis; see Cell death**Aquaporin 4**

rapid downregulation of aquaporin 4 mRNA level in the rat muscle after denervation (Jimi et al) 2001;50:S51

Aricept

double-blinded placebo-controlled Aricept study in children with autistic-spectrum disorder (Chez et al) 2001;50:S60, 2001;50:S95

Arterial ischemic infarction

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

Arterial stroke

arterial stroke presenting within the neonatal period (Collins et al) 2001;50:S130

presumed pre- or perinatal arterial ischemic stroke: risk factors and outcomes (Golomb et al) 2001;50:163

Asperger's syndrome

tests of auditory processing differentiate Asperger's syndrome from high-functioning autism (Boatman et al) 2001;50:S95

Asphyxia, term neonatal

occurrence of perinatal markers in the diagnosis of term neonatal asphyxia (Dilenge et al) 2001;50:S119

Aspirin

serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

Assessment

advancing quality-of-life measurement: testing the claims of Rasch item analysis (Hobart et al) 2001;50:S69

are proxy ratings valid for assessing quality of life after subarachnoid hemorrhage? (Ostapovich et al) 2001;50:S78

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirsner) 2001;50:559

can the Mini-Mental State Examination and the Alzheimer's disease assessment scale (cognitive) be converted directly? evidence based on predictions of patient disability (Ishak et al) 2001;50:S74

a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104

a novel validated self-reporting health-related quality-of-life measure for children with epilepsy (Ronen et al) 2001;50:S69

Assessment, functional

reliability and validity of the assessment of functioning and well-being of patients with ischemic stroke (Goldstein et al) 2001;50:S77

Assessment, neuropsychological

neuropsychological assessment of multiple sclerosis patients: a validation study of an automated, computerized battery (Wilken et al) 2001;50:S57

Association cortices

delayed synaptic dysfunction of association cortices in carbon monoxide intoxication (Ihara et al) 2001;50:829 (Letter)

Astrocytes

astrocytes are relatively resistant against non-*N*-methyl-D-aspartate glutamate receptor-mediated excitotoxicity (Yamaya et al) 2001;50:S54

fractalkine and CX₃CR1 in human neurons, astrocytes, microglia, and hybrid neurons (Hatori et al) 2001;50:S25

intercellular calcium signaling in astrocytes via adenosine triphosphate release (Charles and Stout) 2001;50:S24

role of the major histocompatibility complex class II transactivator in interferon- γ -inducible class I and II expression by astrocytes (King et al) 2001;50:S28

Astrocytoma

development of transgenic mouse models for astrocytomas that recapitulate human glioma pathogenesis (Gutmann et al) 2001;50:S8

Ataxia

is paraneoplastic opsoclonus-ataxia associated with neuroblastoma, a progressive encephalopathy? (Mitchell et al) 2001;50:S111

nonprogressive autosomal recessive ataxia maps to chromosome 9q34-9qter in a large consanguineous Lebanese family (Delague et al) 2001;50:250

sporadic adult-onset progressive ataxia: a clinical and laboratory study in 114 patients (Klockgether et al) 2001;50:S65

Ataxia, cerebellar

effectiveness of intravenous immunoglobulin therapy in cerebellar ataxia associated with gluten sensitivity (Bürk et al) 2001;50:827 (Letter)

Ataxia, early-onset

early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9

Ataxia, Friedreich's

early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9

small fibers involvement in Friedreich's ataxia (Nolano et al) 2001;50:17

Ataxia, gluten

humoral response in the pathogenesis of gluten ataxia (Hadjivassiliou et al) 2001;50:S37

Ataxia, ocular

early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9

Ataxia, spinocerebellar

clinical and genetic analysis of four Mexican families with spinocerebellar ataxia type 10 (Rasmussen et al) 2001;50:234

- molecular and clinical correlation in five Indian families with spinocerebellar ataxia 12 (Srivastava et al) 2001;50:796
- spinocerebellar ataxia type 2 presenting as familial levodopa-responsive parkinsonism (Shan et al) 2001;50:812
- transcranial magnetic stimulation is useful to improve ataxic gait of spinocerebellar ataxia 6 patients (Shimizu et al) 2001;50:S63
- Atherosclerosis**
- lowering of Vascular Atherosclerotic Risk (LOVAR) study: prospective controlled 5-year trial of aggressive multi-risk factor modification for stroke (Thomas et al) 2001;50:S69
- serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14
- Atherosclerosis, carotid**
- C-reactive protein and viable *Chlamydia pneumoniae* in carotid artery atherosclerosis (Johnston et al) 2001;50:S12
- new single nucleotide polymorphisms in the MCP-1 promoter region in patients with carotid atherosclerosis (Nyquist et al) 2001;50:S66
- Atomoxetine**
- efficacy of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Dunn et al) 2001;50:S96
- safety of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Wernicke et al) 2001;50:S123
- Atrophy**
- gray matter T2 hypointensity, plaques, and atrophy in multiple sclerosis patients and correlation with clinical findings (Bakshi et al) 2001;50:S28
- inflammation and atrophy in multiple sclerosis: magnetic resonance imaging associations with disease course (Lin and Blumhardt) 2001;50:S55
- Atrophy, cerebral**
- contrast-enhancing lesions predict magnetization transfer ratios and cerebral atrophy in relapsing-remitting multiple sclerosis patients: preliminary results of an 8-year follow-up study (Richert et al) 2001;50:S38
- Atrophy, dentatorubropallidolusian**
- dentatorubropallidolusian atrophy in North American families (Thomas and Jankovic) 2001;50:S65
- Atrophy, multisystem**
- depletion of corticotropin-releasing factor neurons in the pontine micturition area in multiple system atrophy (Benarroch and Schmeichel) 2001;50:640
- a novel grading scale for striatonigral degeneration (multisystem atrophy) (Jellinger et al) 2001;50:S49
- peripherally and centrally mediated dysautonomia in idiopathic Parkinson's disease compared with multiple system atrophy (Horn et al) 2001;50:S36
- Atrophy, spinal muscular**
- outcome measures for pediatric muscular atrophy (Iannaccone and the AmSTART Group) 2001;50:S127
- postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54
- Atrophy, subcortical**
- magnetic resonance imaging subcortical atrophy measured by the bicaudate ratio predicts cognitive dysfunction in multiple sclerosis (Bermel et al) 2001;50:S30
- Attention**
- attention and cognition in bradykinetic-rigid syndromes: an event-related potential study (Pirtošek et al) 2001;50:S67
- Attention-deficit hyperactivity disorder**
- efficacy of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Dunn et al) 2001;50:S96
- randomized, controlled trial of a once-daily amphetamine formulation, SLI381, in children with attention-deficit hyperactivity disorder (Lopez et al) 2001;50:S96
- reassessing the efficacy of Adderall after prolonged treatment for attention-deficit hyperactivity disorder (Ahmann et al) 2001;50:S123
- safety of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Wernicke et al) 2001;50:S123
- Auditory processing**
- human cerebral and cerebellar rCBF during auditory stimulation at 40 Hertz (Pastor et al) 2001;50:S62
- language neural networks of auditory processing in young children identified with functional magnetic resonance imaging (Gaillard et al) 2001;50:S94
- tests of auditory processing differentiate Asperger's syndrome from high-functioning autism (Boatman et al) 2001;50:S95
- Autism**
- antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123
- brain asymmetries in autistic, language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S122
- increased incidence of HLA-B60 and maternal DR4 in autism (Zimmerman et al) 2001;50:S122
- reduced brain-derived neurotrophic factor in the cerebellum of autistic postmortem brain tissue: implications for serotonergic pathways in the pathogenesis of autism (Lopez-Alberola et al) 2001;50:S61
- regional cortical volume differences among high-functioning autistic, developmental language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S125
- tests of auditory processing differentiate Asperger's syndrome from high-functioning autism (Boatman et al) 2001;50:S95
- Autistic-spectrum disorder**
- double-blinded placebo-controlled Aricept study in children with autistic-spectrum disorder (Chez et al) 2001;50:S60, 2001;50:S95
- Autistic syndrome**
- lack of utility of electroencephalogram monitoring in autistic syndrome patients for the identification of Landau-Kleffner syndrome (Pearl et al) 2001;50:S126
- succinic semialdehyde dehydrogenase deficiency: selective ion monitoring gas chromatography-mass spectrometry identification of urine 4-hydroxybutyrate in the diagnosis of a potentially treatable cause of mental retardation and autistic syndrome (Pearl et al) 2001;50:S115
- Autoantibodies**
- autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26
- Autoimmune agrypnia**
- relapsing-remitting autoimmune agrypnia (Batocchi et al) 2001;50:S34

Autoimmune (type 1) diabetes

linking multiple sclerosis and autoimmune (type 1) diabetes (Dosch et al) 2001;50:S57

Autoimmune encephalomyelitis

amelioration of experimental autoimmune encephalomyelitis in C57BL/6 mice by an agonist of peroxisome proliferator-activated receptor- γ (Niino et al) 2001;50:S27

induction of chronic relapsing experimental autoimmune encephalomyelitis by cyclosporin A treatment in Lewis rats is correlated with thymic expression of major histocompatibility complex class II (Fontoura et al) 2001;50:S30

peroxisome proliferator-activated receptor- γ agonists prevent experimental autoimmune encephalomyelitis (Feinstein et al) 2001;50:S56

requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27

Autoimmune myasthenia gravis

construction and expression of recombinant antiacetylcholine receptor monoclonal antibodies to study the role of complement activation in experimental autoimmune myasthenia gravis (Kirvan et al) 2001;50:S24

Autoimmunity

ANNA-3 anti-neuronal nuclear antibody: marker of lung cancer-related autoimmunity (Chan et al) 2001;50:301

Automated injection device (Autoject 2)

use of an automated injection device for the delivery of interferon β -1b (Tornatore and Bartlett) 2001;50:S58

Autonomic dysfunction

peripherally and centrally mediated dysautonomia in idiopathic Parkinson's disease compared with multiple system atrophy (Horn et al) 2001;50:S36

Axonal damage

multiple sclerosis: altered glutamate homeostasis in lesions correlates with oligodendrocyte and axonal damage (Werner et al) 2001;50:169

Axonal degeneration

adenoviral transfer of the *WLD*S gene provides protection against axonal degeneration in rat dorsal root ganglia cultures (Glass et al) 2001;50:S9

the *Wld*^s protein protects against axonal degeneration: a model of gene therapy for peripheral neuropathy (Wang et al) 2001;50:773

B-CIT/SPECT imaging

reduced B-CIT striatal uptake in hemi-Parkinson's disease patients with and without tremor (Eisa et al) 2001;50:S21

Balance

poor balance predicts cognitive decline in nondemented elderly (Crystal et al) 2001;50:S45

Balkan Gypsies

hereditary motor and sensory neuropathy-Russe: new autosomal recessive neuropathy in Balkan Gypsies (Thomas et al) 2001;50:452

Basal ganglia

poststreptococcal acute disseminated encephalomyelitis with basal ganglia involvement and auto-reactive anti-basal ganglia antibodies (Dale et al) 2001;50:588

Behavior

behavioral and cognitive benefits of rivastigmine in nursing home patients with Alzheimer's disease and related

dementias: a 26-week follow-up (Etemad et al) 2001;50:S44

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirsner) 2001;50:S59

Glut-1 deficiency syndrome: phenotypic variability in cognition and behavior (Hinton et al) 2001;50:S124

a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104

Behavior, grasping

grasping behavior as ictal manifestation of frontal lobe epilepsy (Nouzeilles et al) 2001;50:S47

Behavior, self-injurious

self-injurious behavior in children with severe cognitive and neurological impairments (Camfield et al) 2001;50:S123

Behavioral abnormalities

awareness of memory deficit and behavioral abnormalities in patients with severe dementia: differences between Alzheimer's and non-Alzheimer's patients (Al-Aloucy et al) 2001;50:S44

Betaseron

response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α -3 (alferon N) versus untreated patients (Onufer et al) 2001;50:S28

Bicaudate ratio

magnetic resonance imaging subcortical atrophy measured by the bicaudate ratio predicts cognitive dysfunction in multiple sclerosis (Bermel et al) 2001;50:S30

Blood, human umbilical cord

multipotential (stem) cells isolated from human umbilical cord blood express markers for neurons and glia (Bicknese et al) 2001;50:S128

Blood, peripheral

cytokine profiles in peripheral blood from multiple sclerosis patients (Fernández et al) 2001;50:S58

Blood genomic fingerprinting

blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699

Blood monocyte-endothelial microparticle complexes

elevated blood monocyte-endothelial microparticle complexes in multiple sclerosis (Minagar et al) 2001;50:S27

Blood-brain barrier

individual blood-brain barrier phenylalanine transport determines clinical outcome in phenylketonuria (Weglage et al) 2001;50:463

Blood-nerve barrier

anti-GM1 antibody activates NF- κ B and increases nitric oxide secretion in cultured endothelial cells forming blood-nerve barrier (Kanda et al) 2001;50:S22

Body growth

determinants and markers for reduced bone mineralization and body growth in children with long-term epilepsy (Guo et al) 2001;50:S105

Bone marrow transplantation

brain magnetic resonance imaging in 23 patients with mucopolysaccharidoses and the effect of bone marrow transplantation (Seto et al) 2001;50:79

Bone mineralization

determinants and markers for reduced bone mineralization and body growth in children with long-term epilepsy (Guo et al) 2001;50:S105

Book reviews

- Behavior and Mood Disorders in Focal Brain Lesions*, edited by Bogousslavsky and Cummings (Miller) 2001;50:426
- Brain Imaging in Substance Abuse: Research, Clinical, and Forensic Applications*, by Kaufman (Alger) 2001;50:277
- Caplan's Stroke: A Clinical Approach*, 3rd edition, by Caplan (Klein and Buchan) 2001;50:130
- Child Neurology*, 6th edition, edited by Menkes and Sarnat (Johnston) 2001;50:278
- Clinical Approach to Antiphospholipid Antibodies*, edited by Levine and Brey (Graham) 2001;50:557
- Clinical Trials in Neurologic Practice*, edited by Biller and Bogousslavsky (Dal Pan) 2001;50:693
- Congenital Hemiplegia*, edited by Neville and Goodman (Kinsman) 2001;50:833
- Contemporary Treatments in Neurology*, edited by Scolding (Bradley) 2001;50:832
- Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice*, third edition, by Kimura (Mayer) 2001;50:693
- Epilepsy: Comprehensive Review and Case Discussions*, edited by Lüders (Schachter) 2001;50:277
- Epilepsy Surgery*, second edition, edited by Lüders and Co-mair (Engel) 2001;50:131
- Frontal-Subcortical Circuits in Psychiatric and Neurological Disorders*, edited by Lichter and Cummings (Denckla) 2001;50:557
- Handbook of Epilepsy Treatment*, by Shorvon (Krumholz) 2001;50:130
- Neurocorrelates of Consciousness: Empirical and Conceptual Questions*, edited by Metzinger (Cummings) 2001;50:832
- Neurologic Athletic Head and Spine Injuries*, edited by Cantu (Kelly) 2001;50:425
- Neurology and General Medicine*, 3rd edition, by Aminoff (Vick) 2001;50:833
- The Neurology of Vision*, edited by Trobe (Tusa) 2001;50:694
- Parkinson's disease: A Complete Guide for Patients and Families*, by Weiner et al (Goetz) 2001;50:558
- Peripheral Neurology: Case Studies*, third edition, by Live-son (McLeod) 2001;50:693
- Practical Management of the Dizzy Patient*, edited by Goebel (Tusa) 2001;50:277
- Principles of Neuroepidemiology*, by Batchelor and Cud-kowicz (Louis) 2001;50:425
- Stroke: A Practical Guide to Management*, 2nd edition, by Warlow et al (Gorelick) 2001;50:557
- Varicella-zoster virus: Virology and Clinical Management*, edited by Arvin and Gershon (Amlie-Lefond) 2001;50:427
- Vascular Dementia*, edited by Meyer et al (Román) 2001;50:426

Borna disease virus

borna disease virus RNA is absent in chronic multiple sclerosis (Haase et al) 2001;50:423 (Letter)

Borrelia burgdorferi

central and peripheral nervous system infection, immu-nity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

Botulinum toxin

- comparison of the duration of action and safety margins of botulinum toxin types A and B in mice (Aoki) 2001;50:S32
- effect of botulinum toxin type A on health-related quality of life in stroke patients with spasticity (Kozma et al) 2001;50:S78
- spread of paralytic effects of BoNT-A versus BoNT-B in juvenile cynomolgus monkeys (Arezzo et al) 2001;50:S117
- treatment of sialorrhea with botulinum toxin A in patients with cerebral palsy (Tilton and Suskind) 2001;50:S118

Botulism

infant botulism: the Utah experience, 1986–2000 (Thompson et al) 2001;50:S127

Bovine spongiform encephalopathy

antibodies to *Acinetobacter* and *Pseudomonas* are present in bovine spongiform encephalopathy (Wilson et al) 2001;50:S59

Bowel contraction

nicotinic acetylcholine receptor subunits $\alpha 5$ and $\beta 4$ in il-eal contractile response to ganglionic agonists (Wang et al) 2001;50:S35

Boys; see also Children

- brain asymmetries in autistic, language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S122
- regional cortical volume differences among high-function-ing autistic, developmental language-disordered, and nor-mal schoolage boys (Herbert et al) 2001;50:S125

Bradykinesia

- attention and cognition in bradykinetic-rigid syndromes: an event-related potential study (Pirtošek et al) 2001;50:S67
- isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32

Brain

- brain asymmetries in autistic, language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S122
- effect of therapeutic ionizing radiation on the human brain (Steen et al) 2001;50:787
- identification of P84/SIRP-associated molecules in the brain (Narayanan et al) 2001;50:S128
- protein expression of torsinA in the human brain and two cases with early-onset generalized dystonia and GAG deletion (Rostasy et al) 2001;50:S97
- seizures are associated with impaired brain metabolism in term newborns with perinatal depression (Ferrer-Rogers et al) 2001;50:S120

Brain death

determination of brain death worldwide: not much of a consensus (Wijdicks) 2001;50:S34

Brain-derived neurotrophic factor

- brain-derived neurotrophic factor enhances fast excitatory synaptic transmission in human epileptic dentate gyrus (Zhu and Roper) 2001;50:188
- reduced brain-derived neurotrophic factor in the cerebel-lum of autistic postmortem brain tissue: implications for serotonergic pathways in the pathogenesis of autism (Lopez-Alberola et al) 2001;50:S61

Brain hemorrhage

brain hemorrhage in four infants with inherited coagu-lopathy (Vorstman et al) 2001;50:S111

Brain imaging

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirshner) 2001;50:S59

imaging stroke recovery: lessons from Prozac (Detre) 2001;50:697 (Editorial)

Brain infarction

acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

Brain injury; see also Head trauma

clinical chorioamnionitis, elevated cytokines, and brain injury in term infants (Shalak et al) 2001;50:S99

Brain lesions

dislocation of speech-relevant areas in chronic brain lesions as a consequence of functional disinhibition (Heiss et al) 2001;50:S31

Brain mapping

human brain mapping in dystonia reveals both endophenotypic traits and adaptive reorganization (Meunier et al) 2001;50:S21

Brain metastases

comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31

Brain morphometry

brain morphometry in tuberous sclerosis complex (Yorns and DiMario) 2001;50:S97

Brain tumors

concerns and resources of siblings and children with brain tumors (Freeman et al) 2001;50:S110

plasticity of language networks in patients with brain tumors: a positron emission tomography activation study (Thiel et al) 2001;50:620

shared and unique psychosocial contributions to marital and nonmarital well-being in brain tumor patients and their spouses (Anderson et al) 2001;50:S77

Brain volume

caloric restriction reduces brain volume without hippocampal neuronal loss in organ cultures (Schmitt et al) 2001;50:S43

changes in whole-brain volumetry in Alzheimer's disease and normal controls: analysis using voxel-based morphometry (Kaptanoglu et al) 2001;50:S15

whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Brainstem

changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121

sudden infant death syndrome: cytokine immunoreactivity in the brainstem (Kadhim et al) 2001;50:S119

Breath-holding spells

utility of ocular compression in the diagnosis of breath-holding spells and syncope (Khurana et al) 2001;50:S102

Bromocriptine

bromocriptine: comprehensive review of the medical literature (Petro) 2001;50:S32

C-reactive protein

C-reactive protein and viable *Chlamydia pneumoniae* in carotid artery atherosclerosis (Johnston et al) 2001;50:S12

Caffeine

prospective study of caffeine consumption and risk of Parkinson's disease in men and women (Ascherio et al) 2001;50:56

CAG repeat expansions

a disorder similar to Huntington's disease is associated with a novel CAG repeat expansion (Margolis et al) 2001;50:373

Calbindin-D28K

decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129

Calcium

intercellular calcium signaling in astrocytes via adenosine triphosphate release (Charles and Stout) 2001;50:S24

intracellular calcium modulators reduce motoneuronal viability expressing mutated copper/zinc superoxide dismutase through nitric oxide/guanylyl cyclase-cGMP cascade (Lee et al) 2001;50:S45

Calcium-binding proteins

changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121

Calcium channels

P/Q-type calcium channel blockade prevents spreading depression in hippocampal organ cultures (Kunkler and Kraig) 2001;50:S20

Caloric restriction

caloric restriction reduces brain volume without hippocampal neuronal loss in organ cultures (Schmitt et al) 2001;50:S43

Camptosar

a phase 1-2 trial of irinotecan (Camptosar) in the treatment of recurrent intracranial oligodendrogliomas 2001;50:S59

Canada

hospital-based pediatric neurology services in Canada (Ronen and Meaney) 2001;50:S131

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

Cancer; see Carcinoma; specific neoplasms

Carbon monoxide intoxication

delayed synaptic dysfunction of association cortices in carbon monoxide intoxication (Ihara et al) 2001;50:829 (Letter)

Carcinoma, lung

ANNA-3 anti-neuronal nuclear antibody: marker of lung cancer-related autoimmunity (Chan et al) 2001;50:301

corticospinal tract dysfunction, bilateral aducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60

paraneoplastic choreoathetosis associated with CRMP-5 immunoglobulin G and lung carcinoma (Vernino et al) 2001;50:S9

Carcinoma, Merkel cell

anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

Cardiac surgery

long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94

Cardiopulmonary bypass

use of proton magnetic resonance spectroscopy to assess neurological outcome in children undergoing profound hypothermic cardiopulmonary bypass (Ashwal et al) 2001;50:S93

Caregivers

to what degree does cognitive impairment in Alzheimer's disease predict dependence of patients on caregivers? (Ward et al) 2001;50:S76

Carotid artery

progressing stroke in patients with cerebral infarction in the territory of the deep perforators of the carotid system (Saiki et al) 2001;50:S40

Carotid artery atherosclerosis

C-reactive protein and viable *Chlamydia pneumoniae* in carotid artery atherosclerosis (Johnston et al) 2001;50:S12
new single nucleotide polymorphisms in the MCP-1 promoter region in patients with carotid atherosclerosis (Nyquist et al) 2001;50:S66

Carotid artery stenosis

comparison study between magnetic resonance imaging and cerebral angiography in the evaluation of extracranial carotid artery stenosis (Alkhesam et al) 2001;50:S41

Carotid endarterectomy

dextran reduces embolic signals after carotid endarterectomy (Levi et al) 2001;50:S44
early carotid endarterectomy after acute ischemic stroke (Bernardini et al) 2001;50:S72

Carpal tunnel syndrome

comparison of sensitivity of various motor conduction techniques in the diagnosis of carpal tunnel syndrome (Chang) 2001;50:S53

Case management

aggressive case management in the Lowering of Vascular Atherosclerotic Risk Study improves quality of life for patients who have suffered ischemic events (Masiado et al) 2001;50:S78

Caspase

nitric oxide modulates caspase activity in glutamate-induced neuronal death (Pettigrew and Holtz) 2001;50:S40

Cavernous angioma

clinical and molecular studies in Spanish and Portuguese cavernous angioma (Lucas et al) 2001;50:S50

CD4

mature, long-lived CD4⁺ and CD8⁺ T cells are generated by the thymoma in myasthenia gravis (Buckley et al) 2001;50:64

CD6

clinical course of experimental allergic encephalomyelitis is significantly alleviated in CD6-deficient mice (Stuve et al) 2001;50:S26

CD8

increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807

mature, long-lived CD4⁺ and CD8⁺ T cells are generated by the thymoma in myasthenia gravis (Buckley et al) 2001;50:64

CD14

Helicobacter pylori infection and monocyte CD14 receptor gene polymorphism in patients with stroke (Park et al) 2001;50:S40

CD45

PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30

CD46

elevated serum and cerebrospinal fluid levels of soluble human herpesvirus type 6 cellular receptor, membrane cofactor protein, in patients with multiple sclerosis (Soldan et al) 2001;50:486

Celiac disease

ganglioside antibody reactivity detected in neuropathy associated with celiac disease (Alaedini et al) 2001;50:S28

Cell death

cyclic AMP-elevating agents prevent cytokine-induced apoptotic injury in an immortalized oligodendroglial cell line (Yoshioka et al) 2001;50:S54

cystatin C induces neuronal apoptosis in vivo and in vitro (Nagai et al) 2001;50:S44

erythropoietin prevents retinal neuronal cell death following ischemia-reperfusion injury in rats (Rosenbaum et al) 2001;50:S13

myelinopathia centralis diffusa (vanishing white matter disease): evidence of apoptotic oligodendrocyte degeneration in early lesion development (Brück et al) 2001;50:S32

nitric oxide modulates caspase activity in glutamate-induced neuronal death (Pettigrew and Holtz) 2001;50:S40

status epilepticus-induced apoptosis in prepubescent rats: effects of valproate treatment (Mikati et al) 2001;50:S64

status epilepticus-induced apoptosis in prepubescent rats: effect of valproate treatment (Mikati et al) 2001;50:S103

tissue inhibitor of metalloproteinase-3 is associated with neuronal apoptosis in reperfusion injury in rat brain (Rosenberg et al) 2001;50:S12

transected neurites, apoptotic neurons, and reduced inflammation in cortical multiple sclerosis lesions (Peterson et al) 2001;50:389

Cell death, programmed

programmed cell death after status epilepticus: evidence for NMDA-mediated mechanisms (Mikati et al) 2001;50:S63

programmed cell death and increases in ceramide levels occur after status epilepticus in developing and mature brains (Mikati et al) 2001;50:S106

status epilepticus-induced programmed cell death and ceramide increases are NMDA receptor activation dependent (Mikati et al) 2001;50:S106

Cell death, virus-induced

mechanism of virus-induced cell death (Tyler et al) 2001;50:S33

Central nervous system

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

compensating for central nervous system dysmyelination: females with a proteolipid protein gene duplication and sustained clinical improvement (Inoue et al) 2001;50:747

immunohistochemical localization of chlamydial antigens in the central nervous system of patients with multiple sclerosis (Tharp et al) 2001;50:S37

increased sensitivity to human immunodeficiency virus type 1 of maturing human central nervous system neu-

rons in differentiating neuroepithelial precursor cell cultures (McCarthy et al) 2001;50:S33

Ceramide

programmed cell death and increases in ceramide levels occur after status epilepticus in developing and mature brains (Mikati et al) 2001;50:S106

status epilepticus-induced programmed cell death and ceramide increases are NMDA receptor activation dependent (Mikati et al) 2001;50:S106

Cerebellar ataxia

effectiveness of intravenous immunoglobulin therapy in cerebellar ataxia associated with gluten sensitivity (Bürk et al) 2001;50:827 (Letter)

nonprogressive autosomal recessive ataxia maps to chromosome 9q34-9qter in a large consanguineous Lebanese family (Delague et al) 2001;50:250

Cerebellum

reduced brain-derived neurotrophic factor in the cerebellum of autistic postmortem brain tissue: implications for serotonergic pathways in the pathogenesis of autism (Lopez-Alberola et al) 2001;50:S61

Cerebral amyloid angiopathy

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

Cerebral angiography

comparison study between magnetic resonance imaging and cerebral angiography in the evaluation of extracranial carotid artery stenosis (Alkhsam et al) 2001;50:S41

Cerebral artery stenosis

use of statin for regression of cerebral artery stenosis: a multicenter, randomized, double-blind, placebo-controlled study (Wong et al) 2001;50:S40

Cerebral atrophy

contrast-enhancing lesions predict magnetization transfer ratios and cerebral atrophy in relapsing-remitting multiple sclerosis patients: preliminary results of an 8-year follow-up study (Richert et al) 2001;50:S38

Cerebral blood flow

cerebral blood flow velocity and risk of white matter hyperintensities (Tzourio) 2001;50:129 (Letter)

human cerebral and cerebellar rCBF during auditory stimulation at 40 Hertz (Pastor et al) 2001;50:S62

regional cerebral hyperperfusion and nitric oxide pathway dysregulation in Fabry disease reversed by enzyme replacement therapy (Moore et al) 2001;50:S12

Cerebral cortex

cortical activation during speaker normalization (Orrin et al) 2001;50:S11

locus ceruleus regulates β -amyloid-induced cortical inflammation (Feinstein et al) 2001;50:S16

regional cortical volume differences among high-functioning autistic, developmental language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S125

transected neurites, apoptotic neurons, and reduced inflammation in cortical multiple sclerosis lesions (Peterson et al) 2001;50:389

Cerebral hemorrhage

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

Cerebral infarction

progressing stroke in patients with cerebral infarction in the territory of the deep perforators of the carotid system (Saiki et al) 2001;50:S40

Cerebral ischemia

N-acetyl aspartate and its ratio to total creatine in the hippocampal CA1 area after transient cerebral ischemia in gerbils (Konaka et al) 2001;50:S41

citicoline inhibits expression of procaspases and PARP in a model of focal cerebral ischemia (Secades et al) 2001;50:S13

microarray analysis of hippocampal gene expression in global cerebral ischemia (Jin et al) 2001;50:93

Cerebral motor activation

fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke (Pariente et al) 2001;50:718

Cerebral palsy

a contemporary look at the etiology of cerebral palsy (Shevell and Majnemer) 2001;50:S118

modafinil use in spastic cerebral palsy: a pilot study (Hurst et al) 2001;50:S118

treatment of sialorrhea with botulinum toxin A in patients with cerebral palsy (Tilton and Suskind) 2001;50:S118

Cerebrospinal fluid

cerebrospinal fluid interleukin-6 levels: a possible marker of disease activity (Jellinger et al) 2001;50:828 (Letter)

disturbed hemodynamics in posthemorrhagic hydrocephalus relates to cerebrospinal fluid volume and not intracranial pressure (Soul et al) 2001;50:S99

elevated serum and cerebrospinal fluid levels of soluble human herpesvirus type 6 cellular receptor, membrane cofactor protein, in patients with multiple sclerosis (Soldan et al) 2001;50:486

increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807

large-scale, multicenter study of cerebrospinal fluid tau protein phosphorylated at serine 199 for the antemortem diagnosis of Alzheimer's disease (Itoh et al) 2001;50:150

low cerebrospinal fluid hypocretin (orexin) and altered energy homeostasis in human narcolepsy (Nishino et al) 2001;50:381

vitamin A levels in the cerebrospinal fluid of patients with idiopathic intracranial hypertension (Warner et al) 2001;50:S35

Cerebrospinal fluid leak

spontaneous cerebrospinal fluid leak presenting as benign exertional headaches (Mokri) 2001;50:S20

Charcot-Marie-Tooth disease

diverse trafficking abnormalities for connexin32 mutants causing Charcot-Marie-Tooth disease (Yum et al) 2001;50:S98

Chemokines

generation of immortalized human microglial cell lines: expression of cytokines and chemokines (Nagai et al) 2001;50:S16

Childhood Neurological Handicap Scale

a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104

Children; see also Pediatrics

- atypical presentations of neuralgic amyotrophy in children (Ghosh et al) 2001;50:S126
- brain asymmetries in autistic, language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S122
- children performing lexical tasks engage similar but not identical brain regions, when compared with adults (Schlaggar et al) 2001;50:S94
- children who are long-term survivors of acute lymphocytic leukemia demonstrate working memory dysfunction on an N-back test (Wolraich et al) 2001;50:S110
- children's ibuprofen suspension for pediatric migraine (Lewis et al) 2001;50:S93
- concerns and resources of siblings and children with brain tumors (Freeman et al) 2001;50:S110
- decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129
- determinants and markers for reduced bone mineralization and body growth in children with long-term epilepsy (Guo et al) 2001;50:S105
- diagnosis and management of congenital myasthenia syndrome: potential benefits and safety of chronic 3,4-diaminopyridine in children (Bowe and Maselli) 2001;50:S97
- diagnosis of vertigo and dizziness in children using a structured clinical history and a computer algorithm (Ravid et al) 2001;50:S109
- double-blinded placebo-controlled Aricept study in children with autistic-spectrum disorder (Chez et al) 2001;50:S60, 2001;50:S95
- elevated corticotropin-releasing hormone/corticotropin-releasing hormone-R1 expression in postmortem brain obtained from children with generalized epilepsy (Wang et al) 2001;50:404
- frequency and significance of acute postoperative seizures in children (Park et al) 2001;50:S92
- functional magnetic resonance imaging study of paced finger tapping in children who are good or poor readers (Rivkin et al) 2001;50:S94
- gabapentin for migraine prophylaxis in children (Belman et al) 2001;50:S109
- influenza-associated encephalopathy in children during the 1997-2000 influenza seasons (Yoshikawa et al) 2001;50:S116
- lack of correlation of head and somatic growth in normal children (Riback) 2001;50:S131
- language neural networks of auditory processing in young children identified with functional magnetic resonance imaging (Gaillard et al) 2001;50:S94
- left hippocampal abnormalities in children with pervasive developmental disorder (Stahl et al) 2001;50:S95
- long-term follow-up of temporal lobectomy in children (Jarrar et al) 2001;50:S92
- long-term neurocognitive outcome following acute disseminated encephalomyelitis in childhood (Hahn et al) 2001;50:S127
- long-term outcome after childhood lead poisoning (Lidsky et al) 2001;50:S75
- neuropsychological profile of children with multiple sclerosis: a pilot study to define areas of impairment and plan cognitive rehabilitation (Cianciulli et al) 2001;50:S61
- a novel validated self-reporting health-related quality-of-life measure for children with epilepsy (Ronen et al) 2001;50:S69
- outcome of children with demyelinating disease at the Children's Hospital of Alabama (Ness et al) 2001;50:S128
- overuse of electroencephalogram in the evaluation of common neurological conditions in children and adolescents (Matoth et al) 2001;50:S101
- paroxysmal events in children with mitochondrial cytopathies and epilepsy (Saneto et al) 2001;50:S101
- positron emission tomography to determine language dominance in children: a comparison with the Wada test (Kaplan et al) 2001;50:S106
- predictors and correlates of microcephaly at school age among premature infants (Chiriboga et al) 2001;50:S99
- progressive myoclonic epilepsy: an underrecognized childhood disease (Conry et al) 2001;50:S101
- proton magnetic resonance spectroscopy in children with posttraumatic diffuse axonal injury (Ashwal et al) 2001;50:S93
- pseudotumor cerebri without papilledema in children (Said and Libenson) 2001;50:S109
- rapid evaluation of new-onset seizures among children: the New-Onset Seizure Clinic (Kremer et al) 2001;50:S103
- regional cortical volume differences among high-functioning autistic, developmental language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S125
- revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127
- self-injurious behavior in children with severe cognitive and neurological impairments (Camfield et al) 2001;50:S123
- sleep studies in children with partial epilepsy (Nunes et al) 2001;50:S104
- T2-weighted hyperintensities in neurofibromatosis type 1: their impact on cognitive function in Chinese children (Goh et al) 2001;50:S112
- use of proton magnetic resonance spectroscopy to assess neurological outcome in children undergoing profound hypothermic cardiopulmonary bypass (Ashwal et al) 2001;50:S93
- Utah stroke in childhood database (Bale et al) 2001;50:S130
- utility of screening for inborn metabolic errors in children less than 2 years of age with seizures (Aburahma and Griebel) 2001;50:S107
- which children with initial febrile seizures are associated with subsequent increased physician visits? It's "All in the Family" (Gordon et al) 2001;50:S103

Children's Hospital of Alabama

- outcome of children with demyelinating disease at the Children's Hospital of Alabama (Ness et al) 2001;50:S128

Chinese children

- T2-weighted hyperintensities in neurofibromatosis type 1: their impact on cognitive function in Chinese children (Goh et al) 2001;50:S112

Chlamydia pneumoniae

- C-reactive protein and viable *Chlamydia pneumoniae* in carotid artery atherosclerosis (Johnston et al) 2001;50:S12
- immunohistochemical localization of chlamydial antigens in the central nervous system of patients with multiple sclerosis (Tharp et al) 2001;50:S37

Cholesterol

- amyloid β protein plasma levels correlate with serum cholesterol parameters in apolipoprotein E $\epsilon 4$ -negative Alzheimer's disease patients and controls (Arvanitakis et al) 2001;50:S64

Cholinergic therapy

cholinergic therapy for anomia in fluent aphasia (Tanaka et al) 2001;50:S61

Chondrodysplasia, metaphyseal

X-linked leukodystrophy with metaphyseal chondrodysplasia (Kohlschütter et al) 2001;50:S113

Chorea

neuronal activity in the globus pallidus in chorea caused by striatal lacunar infarction (Hashimoto et al) 2001;50:528

Choreoathetosis

paraneoplastic choreoathetosis associated with CRMP-5 immunoglobulin G and lung carcinoma (Vernino et al) 2001;50:S9

Chorioamnionitis

clinical chorioamnionitis, elevated cytokines, and brain injury in term infants (Shalak et al) 2001;50:S99

Chromogranins

chromogranins as markers of altered hippocampal circuitry in temporal lobe epilepsy (Pirker et al) 2001;50:216

Chromosome 9

nonprogressive autosomal recessive ataxia maps to chromosome 9q34-qter in a large consanguineous Lebanese family (Delague et al) 2001;50:250

Chromosome 12

two-level model of inheritance of multiple sclerosis involving the HLA-DR15 haplotype and a novel locus on chromosome 12p12 (Vitale et al) 2001;50:S65

Chromosome 17

familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117

Chronic inflammatory demyelinating polyradiculoneuropathy

chronic inflammatory demyelinating polyradiculoneuropathy (Hughes) 2001;50:282 (Editorial)

P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001;50:286

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Cigarette smoking

cigarette smoking and the incidence of Parkinson's disease in two prospective studies (Hernán et al) 2001;50:780

Citicoline

citricoline inhibits expression of procaspases and PARP in a model of focal cerebral ischemia (Secades et al) 2001;50:S13

composite data analysis of citicoline in acute ischemic stroke (Dávalos et al) 2001;50:S13

Clerkships

an interactive learning textbook for neurology clerkship program (Jao et al) 2001;50:S63

Closed-head trauma

hypothesis accounting for the effect of glucocorticoids in closed-head trauma (Borsody and Coco) 2001;50:S72

Coagulopathy

brain hemorrhage in four infants with inherited coagulopathy (Vorstman et al) 2001;50:S111

discrepancy between physician knowledge and practices in the evaluation of coagulopathies in ischemic stroke patients (Bushnell and Goldstein) 2001;50:S72

Cobalamin

epidermal growth factor as a local mediator of the neurotrophic action of vitamin B₁₂ (cobalamin) in the mam-

alian central nervous system (Buccellato et al) 2001;50:S17

Coenzyme Q₁₀

coenzyme Q₁₀ prevents dopaminergic damage in a rat model of Parkinson's disease (Gilgun-Sherki et al) 2001;50:S18

Coffin-Lowry syndrome

stimulus-induced drop attacks in Coffin-Lowry syndrome (Nelson and Hahn) 2001;50:S113

Cognitive decline

poor balance predicts cognitive decline in nondemented elderly (Crystal et al) 2001;50:S45

prospective study of lateralized tremor and its relationship to cognitive decline in Parkinson's disease (Grossman et al) 2001;50:S22

Cognitive dysfunction

cognitive dysfunction and quality of life after subarachnoid hemorrhage (Mayer et al) 2001;50:S78

dementia and neurodevelopmental predisposition: cognitive dysfunction in presymptomatic subjects precedes dementia by decades in frontotemporal dementia (Geschwind et al) 2001;50:741

magnetic resonance imaging subcortical atrophy measured by the bicaudate ratio predicts cognitive dysfunction in multiple sclerosis (Bermel et al) 2001;50:S30

Cognitive function

attention and cognition in bradykinetic-rigid syndromes: an event-related potential study (Pirtošek et al) 2001;50:S67

can the Mini-Mental State Examination and the Alzheimer's disease assessment scale (cognitive) be converted directly? evidence based on predictions of patient disability (Ishak et al) 2001;50:S74

Glut-1 deficiency syndrome: phenotypic variability in cognition and behavior (Hinton et al) 2001;50:S124

longitudinal study of cognitive function, psychiatric aspects and quality of life in multiple sclerosis relapsing-remitting patients (Donatella et al) 2001;50:S59

maintenance of cognitive function with galantamine in patients with Alzheimer's disease: a 1-year survival analysis (Markowitz et al) 2001;50:S44

T2-weighted hyperintensities in neurofibromatosis type 1: their impact on cognitive function in Chinese children (Goh et al) 2001;50:S112

Cognitive impairment

clinical features of multiple sclerosis patients with mild cognitive impairment (Krupp et al) 2001;50:S59

self-injurious behavior in children with severe cognitive and neurological impairments (Camfield et al) 2001;50:S123

to what degree does cognitive impairment in Alzheimer's disease predict dependence of patients on caregivers? (Ward et al) 2001;50:S76

Cognitive rehabilitation

neuropsychological profile of children with multiple sclerosis: a pilot study to define areas of impairment and plan cognitive rehabilitation (Cianciulli et al) 2001;50:S61

Collagen VI

frameshift mutations in the collagen VI gene causes Ullrich's disease (Higuchi et al) 2001;50:261

Collapsin response-mediator protein 5

are the "newly discovered" paraneoplastic anti-collapsin response-mediator protein 5 antibodies simply anti-CV2 antibodies? (Honnorat et al) 2001;50:688 (Letter)

Coma

an electroencephalographic study of clinically unresponsive patients (Cohn and Jayam-Trouth) 2001;50:S62
predictors of outcome after nontraumatic coma in a population-based study (Forsyth et al) 2001;50:S124

Community hospitals

the impact of a rapid response team on tissue plasminogen activator administration for acute stroke in a community hospital (Castaldo et al) 2001;50:S73

Complement activation

construction and expression of recombinant antiacetylcholine receptor monoclonal antibodies to study the role of complement activation in experimental autoimmune myasthenia gravis (Kirvan et al) 2001;50:S24

Complex febrile seizures

whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Complex regional pain syndrome

revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127

Compression tests

compression tests in infantile posthemorrhagic hydrocephalus identify cerebral hemodynamic compromise (Soul et al) 2001;50:S121

Computed tomography; see Single-photon emission computed tomography

Conduction block

possible protective role of anti-GM1 antibodies: prevention of conduction block in a rat model of intraneural hypersensitivity reaction (Ifergane et al) 2001;50:S24

Congenital cerebellar ataxia

nonprogressive autosomal recessive ataxia maps to chromosome 9q34-9qter in a large consanguineous Lebanese family (Delague et al) 2001;50:250

Congenital heart defects

long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94

Congenital myasthenia syndrome

diagnosis and management of congenital myasthenia syndrome: potential benefits and safety of chronic 3,4-diaminopyridine in children (Bowe and Maselli) 2001;50:S97

Connexin32

diverse trafficking abnormalities for connexin32 mutants causing Charcot-Marie-Tooth disease (Yum et al) 2001;50:S98

Contrast-enhancing lesions

contrast-enhancing lesions predict magnetization transfer ratios and cerebral atrophy in relapsing-remitting multiple sclerosis patients: preliminary results of an 8-year follow-up study (Richert et al) 2001;50:S38

Convergence retraction nystagmus

convergence retraction nystagmus: a disorder of vergence? (Rambold et al) 2001;50:677

Convulsive seizures, electrical

effect of electrical convulsive seizure in purine salvage reaction in rat brain (Lee et al) 2001;50:S47

Copper/zinc (Cu/Zn) superoxide dismutase; see Superoxide dismutase

Corpus callosum

posterior mid-body and isthmus of corpus callosum reduction in Williams syndrome: an in vivo magnetic resonance imaging study (Caravale et al) 2001;50:S113

Corticospinal tract dysfunction

corticospinal tract dysfunction, bilateral aducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60

Corticotropin-releasing factor

corticotropin-releasing factor modulates *N*-methyl-D-aspartate receptors currents at some hippocampal synapses (Christine and Malenka) 2001;50:S25

depletion of corticotropin-releasing factor neurons in the pontine micturition area in multiple system atrophy (Benarroch and Schmeichel) 2001;50:640

Corticotropin-releasing hormone

elevated corticotropin-releasing hormone/corticotropin-releasing hormone-R1 expression in postmortem brain obtained from children with generalized epilepsy (Wang et al) 2001;50:404

Cranial ultrasound

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

Creatine

N-acetyl aspartate and its ratio to total creatine in the hippocampal CA1 area after transient cerebral ischemia in gerbils (Konaka et al) 2001;50:S41

Crete

increased incidence of sporadic Creutzfeldt-Jakob disease on the island of Crete associated with a high rate of *PRNP* 129-methionine homozygosity in the local population (Plaitakis et al) 2001;50:227

Creutzfeldt-Jakob disease

increased incidence of sporadic Creutzfeldt-Jakob disease on the island of Crete associated with a high rate of *PRNP* 129-methionine homozygosity in the local population (Plaitakis et al) 2001;50:227

sporadic Creutzfeldt-Jakob disease in a young Dutch valine homozygote: atypical molecular phenotype (Head et al) 2001;50:258

Critical illness myopathy

critical illness myopathy: a new diagnostic array and comparison with neuropathology (Weimer et al) 2001;50:S52

CRMP-5 immunoglobulin G

paraneoplastic choreoathetosis associated with CRMP-5 immunoglobulin G and lung carcinoma (Vernino et al) 2001;50:S9

CV2

are the "newly discovered" paraneoplastic anti-collapsin response-mediator protein 5 antibodies simply anti-CV2 antibodies? (Honnorat et al) 2001;50:688 (Letter)

CX₃CR1

fractalkine and CX₃CR1 in human neurons, astrocytes, microglia, and hybrid neurons (Hatori et al) 2001;50:S25

Cyclic AMP-elevating agents

cyclic AMP-elevating agents prevent cytokine-induced apoptotic injury in an immortalized oligodendroglial cell line (Yoshioka et al) 2001;50:S54

Cyclic guanosine monophosphate (cGMP)

intracellular calcium modulators reduce motoneuronal viability expressing mutated copper/zinc superoxide dismutase through nitric oxide/guanylyl cyclase-cGMP cascade (Lee et al) 2001;50:S45

Cyclosporin A

induction of chronic relapsing experimental autoimmune encephalomyelitis by cyclosporin A treatment in Lewis rats is correlated with thymic expression of major his-

to compatibility complex class II (Fontoura et al) 2001; 50:S30

Cystatin C

cystatin C induces neuronal apoptosis in vivo and in vitro (Nagai et al) 2001;50:S44

possible pathogenic role of cystatin C in sporadic inclusion body myositis (Vattemi et al) 2001;50:S22

Cytochrome b

multisystem disorder associated with a missense mutation in the mitochondrial cytochrome *b* gene (Wibrand et al) 2001;50:S40

Cytochrome c oxidase

early-onset multisystem mitochondrial disorder caused by a nonsense mutation in the mitochondrial DNA *cytochrome c oxidase II* gene (Campos et al) 2001;50:409

mutant α -synuclein that induces familial Parkinson's disease interacts with mitochondrial cytochrome *c* oxidase (Elkon et al) 2001;50:S17

Cytokines

clinical chorioamnionitis, elevated cytokines, and brain injury in term infants (Shalak et al) 2001;50:S99

cyclic AMP-elevating agents prevent cytokine-induced apoptotic injury in an immortalized oligodendroglial cell line (Yoshioka et al) 2001;50:S54

cytokine profiles in peripheral blood from multiple sclerosis patients (Fernández et al) 2001;50:S58

generation of immortalized human microglial cell lines: expression of cytokines and chemokines (Nagai et al) 2001;50:S16

sudden infant death syndrome: cytokine immunoreactivity in the brainstem (Kadhim et al) 2001;50:S119

Databases

Utah stroke in childhood database (Bale et al) 2001;50:S130

Daytime somnolence

distinctive interaction between long-term memory and daytime somnolence in cognitively normal apolipoprotein E $\epsilon 4/\epsilon 4$ homozygotes (Caselli et al) 2001;50:S16

Deafness/dystonia peptide (DDP) gene

a novel deafness/dystonia peptide gene mutation that causes dystonia in female carriers of Mohr-Tranebjær syndrome (Swerdlow and Wooten) 2001;50:S37

Dementia

adult-onset leukoencephalopathy with vanishing white matter presenting with dementia (Prass et al) 2001;50:665

Alzheimer's disease versus dementia with Lewy bodies: cerebral metabolic distinction with autopsy confirmation (Minoshima et al) 2001;50:358

awareness of memory deficit and behavioral abnormalities in patients with severe dementia: differences between Alzheimer's and non-Alzheimer's patients (Al-Aloucy et al) 2001;50:S44

behavioral and cognitive benefits of rivastigmine in nursing home patients with Alzheimer's disease and related dementias: a 26-week follow-up (Etemad et al) 2001; 50:S44

comparing pathological, clinical, and single-photon emission computed tomography diagnoses in early dementia (Harrell et al) 2001;50:S17

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

development and independent validation of prospective mortality risk-adjustment models for Alzheimer's disease and related dementias based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S75

diagnostic accuracy for dementia with Lewy bodies (Merdes et al) 2001;50:S16

new-onset hypertension after age 65 years and the risk of subsequent dementia (Posner et al) 2001;50:S15

quetiapine in the treatment of psychosis in patients with Parkinson's disease and dementia (Lewy body disease variant) (Parsa et al) 2001;50:S77

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001; 50:S38

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39

Dementia, frontotemporal

dementia and neurodevelopmental predisposition: cognitive dysfunction in presymptomatic subjects precedes dementia by decades in frontotemporal dementia (Geschwind et al) 2001;50:741

familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117

Dementia, HIV

increased frequency of the tumor necrosis factor- α -308 A allele in adults with human immunodeficiency virus dementia (Quasney et al) 2001;50:157

Demyelinating disease

outcome of children with demyelinating disease at the Children's Hospital of Alabama (Ness et al) 2001;50: S128

Demyelinating polyradiculoneuropathy, chronic inflammatory

chronic inflammatory demyelinating polyradiculoneuropathy (Hughes) 2001;50:282 (Editorial)

P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001; 50:286

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Demyelination

magnetic imaging resonance characteristics of antibody-mediated demyelination (Genain et al) 2001;50:S37

Dendritic cells

interferon- β and glatiramer acetate act differently in multiple sclerosis at the dendritic cell level: basis for improved multiple sclerosis therapy (Huang et al) 2001; 50:S25

potential of dendritic cell-based immunotherapy of multiple sclerosis (Link et al) 2001;50:S8

Dentate gyrus

brain-derived neurotrophic factor enhances fast excitatory synaptic transmission in human epileptic dentate gyrus (Zhu and Roper) 2001;50:188

Dentatorubropallidolusian atrophy

dentatorubropallidolusian atrophy in North American families (Thomas and Jankovic) 2001;50:S65

Deprenyl

isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine

- level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32
- Depression**
depressive symptoms and risk of Alzheimer's disease in older patients (Wilson et al) 2001;50:S45
multiple sclerosis, interferon β -1b and depression: A prospective investigation (Feinstein et al) 2001;50:S39
neonatal encephalopathy as a predictor of magnetic resonance imaging abnormalities in term newborns with perinatal depression (Kaufman et al) 2001;50:S119
proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121
relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39
seizures are associated with impaired brain metabolism in term newborns with perinatal depression (Ferrer-Rogers et al) 2001;50:S120
- DETA/NONOate**
a nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats (Zhang et al) 2001;50:602
- Developmental disorder, pervasive**
left hippocampal abnormalities in children with pervasive developmental disorder (Stahl et al) 2001;50:S95
- Developmental language disorder**
regional cortical volume differences among high-functioning autistic, developmental language-disordered, and normal school-age boys (Herbert et al) 2001;50:S125
- Dextran**
dextran reduces embolic signals after carotid endarterectomy (Levi et al) 2001;50:S44
- Diabetes**
diabetes, blood glucose, and outcome after ischemic stroke (Kissela et al) 2001;50:S74
linking multiple sclerosis and autoimmune (type 1) diabetes (Dosch et al) 2001;50:S57
- 3,4-Diaminopyridine**
diagnosis and management of congenital myasthenia syndrome: potential benefits and safety of chronic 3,4-diaminopyridine in children (Bowe and Maselli) 2001;50:S97
- Dichloroacetate**
dichloroacetate exerts therapeutic effects in transgenic mouse models of Huntington's disease (Andreassen et al) 2001;50:112
- Diet**
caloric restriction reduces brain volume without hippocampal neuronal loss in organ cultures (Schmitt et al) 2001;50:S43
- Diet, ketogenic**
efficacy of the ketogenic diet for the treatment of infantile spasms (Kossoff et al) 2001;50:S107
ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbot et al) 2001;50:S102
- Diffuse axonal injury**
proton magnetic resonance spectroscopy in children with posttraumatic diffuse axonal injury (Ashwal et al) 2001;50:S93
- Diffusion tensor imaging**
use of diffusion tensor imaging to study discrete white matter fiber tract maturation after birth (Vajapeyam et al) 2001;50:S98
- Diffusion-weighted imaging**
acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14
correlation between stroke severity and early ischemic lesion volume on diffusion-weighted imaging: comparison of Japan Stroke Scale and NIH Stroke Scale (Terayama et al) 2001;50:S76
- Direct muscle stimulation**
critical illness myopathy: a new diagnostic array and comparison with neuropathology (Weimer et al) 2001;50:S52
- Disease management programs**
improving headache care: impact of a disease management program (Harpole et al) 2001;50:S69
- Disease markers**
microarrays, markers of disease, and the myth of "nonhypothesis-driven" research (Greenberg) 2001;50:695 (Editorial)
- Distal spinal muscular atrophy**
postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54
- Distal symmetrical polyneuropathy**
epidermal nerve fiber density, quantitative sensory testing, and virological and immunological measures as predictors of symptomatic human immunodeficiency virus-associated distal symmetrical polyneuropathy (Herrmann et al) 2001;50:S33
- Diuretics**
are certain diuretics also anticonvulsants? (Hesdorffer et al) 2001;50:458
- Dizziness**
diagnosis of vertigo and dizziness in children using a structured clinical history and a computer algorithm (Ravid et al) 2001;50:S109
- Donepezil**
comparison of adverse reaction reports for rivastigmine and donepezil using the FDA's Adverse Reporting System (Rizzo et al) 2001;50:S76
donepezil for tics in Tourette syndrome (Riback) 2001;50:S117
- Dopamine**
isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32
metabolic enzyme expression in dopaminergic neurons in Parkinson's disease: an in situ hybridization study (Kingsbury et al) 2001;50:142
resistance of dopamine in glial cells is associated with increased expression of defense genes as indicated by RNA microarray analysis (Offen et al) 2001;50:S46
subclinical dopaminergic dysfunction in asymptomatic Parkinson's disease patients' relatives with a decreased sense of smell (Berendse et al) 2001;50:34
- Dopamine cell implantation**
blinded positron emission tomography study of dopamine cell implantation for Parkinson's disease (Nakamura et al) 2001;50:181
- Doppler imaging**
autonomic testing with laser Doppler imaging (Grothusen et al) 2001;50:S36
- Dorsal root ganglia**
adenoviral transfer of the *WLDs* gene provides protection against axonal degeneration in rat dorsal root ganglia cultures (Glass et al) 2001;50:S9

Double cortex syndrome

mutation of the doublecortin gene in male patients with double cortex syndrome: somatic mosaicism detected by hair root analysis (Kato et al) 2001;50:547

Doublecortin gene

mutation of the doublecortin gene in male patients with double cortex syndrome: somatic mosaicism detected by hair root analysis (Kato et al) 2001;50:547

Down's syndrome

pathogenesis of Alzheimer's disease in Down's syndrome: developmental considerations (Head et al) 2001;50:S112

Drop attacks

stimulus-induced drop attacks in Coffin-Lowry syndrome (Nelson and Hahn) 2001;50:S113

Drug data

development and independent validation of prospective mortality risk-adjustment models for Alzheimer's disease and related dementias based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S75
development and independent validation of prospective mortality risk-adjustment models for incident cases of ischemic and hemorrhagic stroke based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S70

Drugs; see also Drug data; specific medications

health and economic outcomes for drugs that slow multiple sclerosis disability progression: improvement in prevalence cohorts with more years since onset (Brown et al) 2001;50:S79

Dutch

sporadic Creutzfeldt-Jakob disease in a young Dutch valine homozygote: atypical molecular phenotype (Head et al) 2001;50:258

Dysautonomia

dysautonomia in human T-cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis (Alamy et al) 2001;50:681

Dysembryoplastic neuroepithelial tumor

dysembryoplastic neuroepithelial tumor: a surgically correctable cause of symptomatic localization-related epilepsy (Joshi et al) 2001;50:S107

Dyskinesia

genetic studies in a new family with paroxysmal kinesigenic dyskinesia and migraine (Alper et al) 2001;50:S115

levodopa induces dyskinesias in normal squirrel monkeys (Togasaki et al) 2001;50:254

Dystonia

autosomal dominant guanosine triphosphate cyclohydrolase I deficiency presenting as inherited dopa-responsive myoclonus-dystonia syndrome 2001;50:S116

human brain mapping in dystonia reveals both endophenotypic traits and adaptive reorganization (Meunier et al) 2001;50:521

intrafamilial phenotypic variability of the DYT1 dystonia: from asymptomatic TOR1A gene carrier status to dystonic storm (Opal et al) 2001;50:S21

a novel deafness/dystonia peptide gene mutation that causes dystonia in female carriers of Mohr-Tranebjær syndrome (Swerdlow and Wooten) 2001;50:537

protein expression of torsinA in the human brain and two cases with early-onset generalized dystonia and GAG deletion (Rostasy et al) 2001;50:S97

Dystrophy, muscular

biochemical and morphological analysis of the transgenic mouse model for limb-girdle muscular dystrophy 1C (Sunada et al) 2001;50:S24

complete allele information in the diagnosis of facioscapulothoracic muscular dystrophy by triple DNA analysis (Lemmers et al) 2001;50:816

Dystrophy, myotonic

eye movement disorders in myotonic dystrophy type 1 (Osana et al) 2001;50:S52

respiratory insufficiency in myotonic dystrophy: a clinico-pathological study (Ono et al) 2001;50:S45

Dystrophy, reflex sympathetic

revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127

Economics

economic impact of galantamine in mild to moderate Alzheimer's disease (Caro et al) 2001;50:S79

health and economic outcomes for drugs that slow multiple sclerosis disability progression: improvement in prevalence cohorts with more years since onset (Brown et al) 2001;50:S79

Editorials

Annals 25th anniversary (Plum) 2001;50:1

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirshner) 2001;50:559

chronic inflammatory demyelinating polyradiculoneuropathy (Hughes) 2001;50:282

endogenous retroviruses and multiple sclerosis (Kolson) 2001;50:429

epilepsy after head injury: the impact of impact (Lowenstein) 2001;50:696 (Editorial)

imaging stroke recovery: lessons from Prozac (Detre) 2001;50:697

matrix metalloproteinases in multiple sclerosis: is it time for a treatment trial? (Rosenberg) 2001;50:431

microarrays, markers of disease, and the myth of "nonhypothesis-driven" research (Greenberg) 2001;50:695

parkin and Parkinson's: more than homonymy? (Corti and Brice) 2001;50:283 (Editorial)

Elderly

Parkinson's disease with elderly onset: case-control study of clinical expression and management (Diederich et al) 2001;50:S49

Electrical convulsive seizures

effect of electrical convulsive seizure on purine salvage reaction in rat brain (Lee et al) 2001;50:S47

Electroencephalography

an electroencephalographic study of clinically unresponsive patients (Cohn and Jayam-Trouth) 2001;50:S62

electroencephalographic and clinical correlation of hyponatremia induced during transurethral resection of the prostate (Reddy and Moorthy) 2001;50:554 (Letter)

lack of utility of electroencephalogram monitoring in autistic syndrome patients for the identification of Landau-Kleffner syndrome (Pearl et al) 2001;50:S126

overuse of electroencephalogram in the evaluation of common neurological conditions in children and adolescents (Matoth et al) 2001;50:S101

quantitative electroencephalographic tomography for assessing acute stroke (Machado et al) 2001;50:S42

Electron flow

increase in the concentration of respiratory chain components as predictors of alterations in the electron flow in patients with mitochondrial disorders (Salganicoff et al) 2001;50:S114

Electronic textbooks

an interactive learning textbook for neurology clerkship program (Jao et al) 2001;50:S63

Embolism

dextran reduces embolic signals after carotid endarterectomy (Levi et al) 2001;50:544

Emergency room

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirshner) 2001;50:559

Encephalitis, limbic

human herpesvirus 6 limbic encephalitis after stem cell transplantation (Wainwright et al) 2001;50:612
potassium channel antibodies in two patients with reversible limbic encephalitis (Buckley et al) 2001;50:73

Encephalomyelitis, acute disseminated

long-term neurocognitive outcome following acute disseminated encephalomyelitis in childhood (Hahn et al) 2001;50:S127

poststreptococcal acute disseminated encephalomyelitis with basal ganglia involvement and auto-reactive anti-basal ganglia antibodies (Dale et al) 2001;50:588

Encephalomyelitis, autoimmune

amelioration of experimental autoimmune encephalomyelitis in C57BL/6 mice by an agonist of peroxisome proliferator-activated receptor- γ (Niino et al) 2001;50:S27

induction of chronic relapsing experimental autoimmune encephalomyelitis by cyclosporin A treatment in Lewis rats is correlated with thymic expression of major histocompatibility complex class II (Fontoura et al) 2001;50:S30

peroxisome proliferator-activated receptor- γ agonists prevent experimental autoimmune encephalomyelitis (Feinstein et al) 2001;50:S56

requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27

Encephalomyelitis, experimental allergic

autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26

clinical course of experimental allergic encephalomyelitis is significantly alleviated in CD6-deficient mice (Stuve et al) 2001;50:S26

treatment of experimental allergic encephalomyelitis with 3-HMG CoA reductase inhibitors (statins) decreases disease activity in a dose-dependent manner (Stüve et al) 2001;50:S26

Encephalopathy

anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

is paraneoplastic opsoclonus-ataxia associated with neuroblastoma, a progressive encephalopathy? (Mitchell et al) 2001;50:S111

Encephalopathy, bovine spongiform

antibodies to *Acinetobacter* and *Pseudomonas* are present in bovine spongiform encephalopathy (Wilson et al) 2001;50:S59

Encephalopathy, HIV

changing face of human immunodeficiency virus encephalopathy in the post-highly active antiretroviral therapy era (Chiriboga et al) 2001;50:S115

Encephalopathy, hypertensive

proximal vascular stenosis and distal dilation of intracranial arteries in hypertensive encephalopathy (Bamford et al) 2001;50:S14, 2001;50:S129

Encephalopathy, hypoglycemic

prolonged hypoglycemic encephalopathy associated with insulin-like growth factor II-producing metastatic hemangiopericytoma (Skljarevski et al) 2001;50:S36

Encephalopathy, hypoxic-ischemic

decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129

Encephalopathy, influenza-associated

influenza-associated encephalopathy in children during the 1997-2000 influenza seasons (Yoshikawa et al) 2001;50:S116

Encephalopathy, neonatal

neonatal encephalopathy as a predictor of magnetic resonance imaging abnormalities in term newborns with perinatal depression (Kaufman et al) 2001;50:S119
term neonatal encephalopathy: Prevalence and etiological profile (Dilenge et al) 2001;50:S99

Endocytic abnormalities

endocytic disturbances distinguish among subtypes of Alzheimer's disease and related disorders (Cataldo et al) 2001;50:661

Endothelial antibodies

antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123

Energy homeostasis

low cerebrospinal fluid hypocretin (orexin) and altered energy homeostasis in human narcolepsy (Nishino et al) 2001;50:381

β -Enolase deficiency

β -enolase deficiency, a new metabolic myopathy of distal glycolysis (Comi et al) 2001;50:202

Enzyme replacement therapy

regional cerebral hyperperfusion and nitric oxide pathway dysregulation in Fabry disease reversed by enzyme replacement therapy (Moore et al) 2001;50:S12

Enzymes, metabolic

metabolic enzyme expression in dopaminergic neurons in Parkinson's disease: an in situ hybridization study (Kingsbury et al) 2001;50:142

Epidermal growth factor

epidermal growth factor as a local mediator of the neurotrophic action of vitamin B₁₂ (cobalamin) in the mammalian central nervous system (Buccellato et al) 2001;50:S17

Epidermal nerve fibers

epidermal nerve fiber density, quantitative sensory testing, and virological and immunological measures as predictors of symptomatic human immunodeficiency virus-associated distal symmetrical polyneuropathy (Herrmann et al) 2001;50:S33

Epilepsy

antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123

- brain-derived neurotrophic factor enhances fast excitatory synaptic transmission in human epileptic dentate gyrus (Zhu and Roper) 2001;50:188
- characteristics of epilepsy in fragile X syndrome (Berry-Kravis) 2001;50:S108
- determinants and markers for reduced bone mineralization and body growth in children with long-term epilepsy (Guo et al) 2001;50:S105
- epilepsy after head injury: the impact of impact (Lowenstein) 2001;50:696 (Editorial)
- epilepsy and sleep apnea syndrome (Ales and Potolicchio) 2001;50:S47
- gender differences in epilepsy (Upton and Clarke) 2001;50:S48
- Epilepsy, familial**
- autosomal dominant Glut-1 deficiency syndrome and familial epilepsy (Brockmann et al) 2001;50:476
- Epilepsy, frontal lobe**
- grasping behavior as ictal manifestation of frontal lobe epilepsy (Nouzeilles et al) 2001;50:S47
- Epilepsy, generalized**
- elevated corticotropin-releasing hormone/corticotropin-releasing hormone-R1 expression in postmortem brain obtained from children with generalized epilepsy (Wang et al) 2001;50:404
- Epilepsy, localization-related**
- dysembryoplastic neuroepithelial tumor: a surgically correctable cause of symptomatic localization-related epilepsy (Joshi et al) 2001;50:S107
- polymorphism of the interleukin-1 gene complex in localization-related epilepsy (Peltola et al) 2001;50:275 (Letter)
- whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19
- Epilepsy, myoclonic**
- efficacy of zonisamide in progressive myoclonic epilepsy: a case series (Conry et al) 2001;50:S104
- progressive myoclonic epilepsy: an underrecognized childhood disease (Conry et al) 2001;50:S101
- Epilepsy, partial**
- benign partial epilepsy in infancy: sporadic versus familial forms (Lispi et al) 2001;50:S102
- sleep studies in children with partial epilepsy (Nunes et al) 2001;50:S104
- Epilepsy, pediatric**
- ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbott et al) 2001;50:S102
- a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104
- a novel validated self-reporting health-related quality-of-life measure for children with epilepsy (Ronen et al) 2001;50:S69
- paroxysmal events in children with mitochondrial cytopathies and epilepsy (Saneto et al) 2001;50:S101
- vagus nerve stimulation for the treatment of pediatric epilepsy (Hosain et al) 2001;50:S92
- Epilepsy, photosensitive**
- stimulus-induced MEG gamma band synchronization in photosensitive epilepsy (Parra et al) 2001;50:S47
- Epilepsy, refractory**
- multicenter study of oxcarbazepine pharmacokinetics and tolerability in children with refractory epilepsy (Dulac et al) 2001;50:S104
- Epilepsy, temporal lobe**
- cellular compartmentalization of the phosphorylated eukaryotic translation-initiation factor 2 α and nitric oxide synthase in temporal lobe epilepsy resulting from hippocampal sclerosis (Watson et al) 2001;50:S19
- chromogranins as markers of altered hippocampal circuitry in temporal lobe epilepsy (Pirker et al) 2001;50:216
- migration abnormalities in temporal lobe epilepsy (Khatri et al) 2001;50:S20
- Epithelial cell transplantation**
- amniotic epithelial cell transplantation for spinal cord injury repair: novel treatment strategy for the next decade (Sankar and Muthusamy) 2001;50:S35
- Erythropoietin**
- erythropoietin prevents retinal neuronal cell death following ischemia-reperfusion injury in rats (Rosenbaum et al) 2001;50:S13
- Eutectic mixture of local anesthetic (EMLA)**
- efficacy of eutectic mixture of local anesthetic (EMLA) cream as a topical anesthetic for lumbar puncture (Milazzo et al) 2001;50:S130
- Excitatory synaptic transmission**
- brain-derived neurotrophic factor enhances fast excitatory synaptic transmission in human epileptic dentate gyrus (Zhu and Roper) 2001;50:188
- Exertional headache**
- spontaneous cerebrospinal fluid leak presenting as benign exertional headaches (Mokri) 2001;50:S20
- Experimental allergic encephalomyelitis**
- autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26
- clinical course of experimental allergic encephalomyelitis is significantly alleviated in CD6-deficient mice (Stüve et al) 2001;50:S26
- treatment of experimental allergic encephalomyelitis with 3-HMG CoA reductase inhibitors (statins) decreases disease activity in a dose-dependent manner (Stüve et al) 2001;50:S26
- Experimental autoimmune encephalomyelitis; see Autoimmune encephalomyelitis**
- Extracellular matrix**
- differences in gene expression of extracellular matrix molecules found by microarray analysis of Sturge-Weber syndrome brain tissue and fibroblasts (Comi et al) 2001;50:S97
- Extraocular muscle**
- effects of fatigue and temperature on extraocular muscle (Kaminski and Richmonds) 2001;50:S55
- Eye movement disorders**
- eye movement disorders in myotonic dystrophy type 1 (Osanai et al) 2001;50:S52
- Fabry disease**
- regional cerebral hyperperfusion and nitric oxide pathway dysregulation in Fabry disease reversed by enzyme replacement therapy (Moore et al) 2001;50:S12
- Facioscapulohumeral muscular dystrophy**
- complete allele information in the diagnosis of facioscapulohumeral muscular dystrophy by triple DNA analysis (Lemmers et al) 2001;50:816
- Factor VIII deficiency**
- a seronegative Lambert-Eaton myasthenic syndrome patient developing a secondary factor VIII deficiency (Urbanits et al) 2001;50:S53

Familial amyotrophic lateral sclerosis

survival in a transgenic model of FALS is independent of iNOS expression (Son et al) 2001;50:273 (Letter)

Familial epilepsy

autosomal dominant Glut-1 deficiency syndrome and familial epilepsy (Brockmann et al) 2001;50:476

Familial frontotemporal dementia and parkinsonism (FTDP-17)

familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117

Familial insomnia

alteration of the serotonergic system in fatal familial insomnia (Cortelli et al) 2001;50:421 (Letter)

Familial levodopa-responsive parkinsonism

spinocerebellar ataxia type 2 presenting as familial levodopa-responsive parkinsonism (Shan et al) 2001;50:812

Familial multiple sclerosis

PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30

Familial Parkinson's disease

mutant α -synuclein that induces familial Parkinson's disease interacts with mitochondrial cytochrome c oxidase (Elkon et al) 2001;50:S17

Familial stiff-man syndrome

familial stiff-man syndrome with GAD65 antibody (Burns et al) 2001;50:S51

Families

dentatorubropallidolusian atrophy in North American families (Thomas and Jankovic) 2001;50:S65

family with limited clinical experience of tuberous sclerosis and genetic linkage of the *TSC2* gene (O'Connor et al) 2001;50:S113

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104

Fampridine-SR

open-label, multiple-dose study to determine the pharmacokinetics and safety of fampridine-SR in patients with chronic spinal cord injury (Hayes et al) 2001;50:S62

Fatal familial insomnia

alteration of the serotonergic system in fatal familial insomnia (Cortelli et al) 2001;50:421 (Letter)

Fatigue

effects of fatigue and temperature on extraocular muscle (Kaminski and Richmonds) 2001;50:S55

Febrile seizures

which children with initial febrile seizures are associated with subsequent increased physician visits? It's "All in the Family" (Gordon et al) 2001;50:S103

Febrile seizures, complex

whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Feeding, gastrostomy

ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbott et al) 2001;50:S102

Fluoxetine

fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke (Pariente et al) 2001;50:718

Follicular phase

follicular-phase changes in the cortical excitability of healthy women (Wassermann et al) 2001;50:S19

Food and Drug Administration (FDA)

comparison of adverse reaction reports for rivastigmine and donepezil using the FDA's Adverse Reporting System (Rizzo et al) 2001;50:S76

Fractalkine

fractalkine and CX₃CR1 in human neurons, astrocytes, microglia, and hybrid neurons (Hatori et al) 2001;50:S25

Fragile X syndrome

characteristics of epilepsy in fragile X syndrome (Berry-Kravis) 2001;50:S108

Friedreich's ataxia

early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9

small fibers involvement in Friedreich's ataxia (Nolano et al) 2001;50:17

Frontal lobe epilepsy

grasping behavior as ictal manifestation of frontal lobe epilepsy (Nouzeilles et al) 2001;50:S47

Frontotemporal dementia

dementia and neurodevelopmental predisposition: cognitive dysfunction in presymptomatic subjects precedes dementia by decades in frontotemporal dementia (Geschwind et al) 2001;50:741

familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117

Functional assessment

reliability and validity of the assessment of functioning and well-being of patients with ischemic stroke (Goldstein et al) 2001;50:S77

Functional imaging

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

stability of activity during functional imaging: myth or reality? (Nastasi et al) 2001;50:S11

Gabapentin

gabapentin for migraine prophylaxis in children (Belman et al) 2001;50:S109

GAD

a double-blind, placebo-controlled, crossover trial of intravenous immunoglobulin in the treatment of anti-GAD antibody-positive patients with stiff-person syndrome (Dalakas et al) 2001;50:S8

GAD65

familial stiff-man syndrome with GAD65 antibody (Burns et al) 2001;50:S51

GAG

protein expression of torsinA in the human brain and two cases with early-onset generalized dystonia and GAG deletion (Rostasy et al) 2001;50:S97

Gait, ataxic

transcranial magnetic stimulation is useful to improve ataxic gait of spinocerebellar ataxia 6 patients (Shimizu et al) 2001;50:S63

Gait freezing

wheeled and standard walkers in Parkinson's disease patients with gait freezing (Cubo et al) 2001;50:S50

Galactosemia

proton magnetic resonance spectroscopy of brain metabolites in galactosemia (Wang et al) 2001;50:266

Galantamine

economic impact of galantamine in mild to moderate Alzheimer's disease (Caro et al) 2001;50:S79

maintenance of cognitive function with galantamine in patients with Alzheimer's disease: a 1-year survival analysis (Markowitz et al) 2001;50:S44

Ganglioside antibodies

ganglioside antibody reactivity detected in neuropathy associated with celiac disease (Alaedini et al) 2001;50:S28

Gas chromatography-mass spectrometry

succinic semialdehyde dehydrogenase deficiency: selective ion monitoring gas chromatography-mass spectrometry identification of urine 4-hydroxybutyrate in the diagnosis of a potentially treatable cause of mental retardation and autistic syndrome (Pearl et al) 2001;50:S115

Gastrostomy feeding

ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbott et al) 2001;50:S102

Gaze

paroxysmal extreme downward gaze in three normal neonates (Lehwal and Morales) 2001;50:S130

Gender differences

gender differences in epilepsy (Upton and Clarke) 2001;50:S48

Gene expression

biological model for assessing the role in glioma formation of genes differentially expressed in human gliomas (Rich et al) 2001;50:S31

differences in gene expression of extracellular matrix molecules found by microarray analysis of Sturge-Weber syndrome brain tissue and fibroblasts (Comi et al) 2001;50:S97

microarray analysis of hippocampal gene expression in global cerebral ischemia (Jin et al) 2001;50:93

Gene polymorphisms; see also Mutations

—1 C/T annexin V polymorphism: role in primary intracranial hemorrhage (Iniesta et al) 2001;50:S41

Helicobacter pylori infection and monocyte CD14 receptor gene polymorphism in patients with stroke (Park et al) 2001;50:S40

new single nucleotide polymorphisms in the MCP-1 promoter region in patients with carotid atherosclerosis (Nyquist et al) 2001;50:S66

polymorphism of the interleukin-1 gene complex in localization-related epilepsy (Peltola et al) 2001;50:275 (Letter)

proportions of coding polymorphisms at codon 129 of the prion protein gene in a healthy Irish population (McGuigan et al) 2001;50:S51

Gene therapy

remote gene delivery: a potential new therapy for neuropathy (Boulis et al) 2001;50:S23

the Wld^s protein protects against axonal degeneration: a model of gene therapy for peripheral neuropathy (Wang et al) 2001;50:773

Genetics

genetic study of the mutilated foot rat, an animal model for human hereditary sensory neuropathy (Lee et al) 2001;50:S51

Genomics

blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699

Genotype

association between ApoE genotype and psychiatric symptoms in Alzheimer's disease (Scarmeas et al) 2001;50:S43

Glut-1 deficiency syndrome: R333W genotype and paternal mosaicism (Wang et al) 2001;50:S124

interleukin-12p40 genotype plays a role in the susceptibility to multiple sclerosis (van Veen et al) 2001;50:275 (Letter)

McLeod neuroacanthocytosis: genotype and phenotype (Danek et al) 2001;50:755

molecular heterogeneity of myophosphorylase deficiency (McArdle's disease): a genotype-phenotype correlation study (Martin et al) 2001;50:574

Gibbs, Clarence Joseph, Jr.

Clarence Joseph Gibbs, Jr. 1924–2001 (Johnson) 2001;50:556 (Obituary)

Glatiramer acetate

interferon- β and glatiramer acetate act differently in multiple sclerosis at the dendritic cell level: basis for improved multiple sclerosis therapy (Huang et al) 2001;50:S25

Glial cells

increased glial cell birth and death in the white matter of adrenoleukodystrophy brain (Chapin et al) 2001;50:S115

multipotential (stem) cells isolated from human umbilical cord blood express markers for neurons and glia (Bicknese et al) 2001;50:S128

resistance of dopamine in glial cells is associated with increased expression of defense genes as indicated by RNA microarray analysis (Offen et al) 2001;50:S46

Glioma

biological model for assessing the role in glioma formation of genes differentially expressed in human gliomas (Rich et al) 2001;50:S31

development of transgenic mouse models for astrocytomas that recapitulate human glioma pathogenesis (Gutmann et al) 2001;50:S8

Globus pallidus

neuronal activity in the globus pallidus in chorea caused by striatal lacunar infarction (Hashimoto et al) 2001;50:528

Glucocorticoids

hypothesis accounting for the effect of glucocorticoids in closed-head trauma (Borsody and Cocco) 2001;50:S72

Glucose

diabetes, blood glucose, and outcome after ischemic stroke (Kissela et al) 2001;50:S74

Glut-1 deficiency syndrome

autosomal dominant Glut-1 deficiency syndrome and familial epilepsy (Brockmann et al) 2001;50:476

Glut-1 deficiency syndrome: a severe phenotype associated with compound heterozygosity in trans (Wang et al) 2001;50:S125

Glut-1 deficiency syndrome: autosomal dominant transmission of the R126C missense mutation (Ho et al) 2001;50:S125

Glut-1 deficiency syndrome: autosomal dominant transmission of the R126H missense mutation (Wang et al) 2001;50:S125

Glut-1 deficiency syndrome: phenotypic variability in cognition and behavior (Hinton et al) 2001;50:S124

- Glut-1 deficiency syndrome: R333W genotype and paternal mosaicism (Wang et al) 2001;50:S124
- Glutamate**
 altered expression of NMDA receptor subunit proteins and glial glutamate transporter protein in a case of Rasmussen's syndrome (Lachhwani et al) 2001;50:S101
 multiple sclerosis: altered glutamate homeostasis in lesions correlates with oligodendrocyte and axonal damage (Werner et al) 2001;50:169
 nitric oxide modulates caspase activity in glutamate-induced neuronal death (Pettigrew and Holtz) 2001;50:S40
 platelet glutamate uptake and plasma glutamate levels in stroke patients (Tremolizzo et al) 2001;50:S42
- Glutamate receptors**
 astrocytes are relatively resistant against non-*N*-methyl-D-aspartate glutamate receptor-mediated excitotoxicity (Yamaya et al) 2001;50:S54
- Gluten ataxia**
 humoral response in the pathogenesis of gluten ataxia (Hadjivassiliou et al) 2001;50:S37
- Gluten sensitivity**
 effectiveness of intravenous immunoglobulin therapy in cerebellar ataxia associated with gluten sensitivity (Bürk et al) 2001;50:827 (Letter)
- Glycolysis, distal**
 β -enolase deficiency, a new metabolic myopathy of distal glycolysis (Comi et al) 2001;50:202
- GM1**
 anti-GM1 antibody activates NF- κ B and increases nitric oxide secretion in cultured endothelial cells forming blood-nerve barrier (Kanda et al) 2001;50:S22
 possible protective role of anti-GM1 antibodies: prevention of conduction block in a rat model of intraneural hypersensitivity reaction (Ifergane et al) 2001;50:S24
- Gonadal hormones**
 gonadal hormones control Alzheimer's β -amyloid levels in vivo (Gandy et al) 2001;50:S8
- Grasping behavior**
 grasping behavior as ictal manifestation of frontal lobe epilepsy (Nouzeilles et al) 2001;50:S47
- Gray matter T2 hypointensity**
 gray matter T2 hypointensity, plaques, and atrophy in multiple sclerosis patients and correlation with clinical findings (Bakshi et al) 2001;50:S28
- Growth**
 determinants and markers for reduced bone mineralization and body growth in children with long-term epilepsy (Guo et al) 2001;50:S105
 lack of correlation of head and somatic growth in normal children (Riback) 2001;50:S131
- Guanosine triphosphate cyclohydrolase I deficiency**
 autosomal dominant guanosine triphosphate cyclohydrolase I deficiency presenting as inherited dopa-responsive myoclonus-dystonia syndrome 2001;50:S116
- Guanylyl cyclase**
 intracellular calcium modulators reduce motoneuronal viability expressing mutated copper/zinc superoxide dismutase through nitric oxide/guanylyl cyclase-cGMP cascade (Lee et al) 2001;50:S45
- Gypsies**
 hereditary motor and sensory neuropathy-Russe: new autosomal recessive neuropathy in Balkan Gypsies (Thomas et al) 2001;50:452
- Hair**
 increased hair polyamine levels in patients with Alzheimer's disease (Choi et al) 2001;50:128 (Letter)
- Hair root analysis**
 mutation of the doublecortin gene in male patients with double cortex syndrome: somatic mosaicism detected by hair root analysis (Kato et al) 2001;50:547
- Hand replantation**
 reorganization of human motor cortex after hand replantation (Röricht et al) 2001;50:240
- Haplotype**
 case-control study of the extended tau gene haplotype in Parkinson's disease (Maraganore et al) 2001;50:658
- Head growth**
 lack of correlation of head and somatic growth in normal children (Riback) 2001;50:S131
- Head trauma**
 epilepsy after head injury: the impact of impact (Lowenstein) 2001;50:696 (Editorial)
 hypothesis accounting for the effect of glucocorticoids in closed-head trauma (Borsody and Coco) 2001;50:S72
 long-term hyperexcitability in the hippocampus after experimental head trauma (Santhakumar et al) 2001;50:708
- Headache**
 improving headache care: impact of a disease management program (Harpole et al) 2001;50:S69
- Headache, exertional**
 spontaneous cerebrospinal fluid leak presenting as benign exertional headaches (Mokri) 2001;50:S20
- Headache, migraine**
 children's ibuprofen suspension for pediatric migraine (Lewis et al) 2001;50:S93
 gabapentin for migraine prophylaxis in children (Belman et al) 2001;50:S109
 genetic studies in a new family with paroxysmal kinesigenic dyskinesia and migraine (Alper et al) 2001;50:S115
 magnetoencephalographic fields from patients with spontaneous and induced migraine aura (Bowyer et al) 2001;50:582
 migraine headache in Tourette's syndrome (Kwak et al) 2001;50:S21
 pediatric migraine equivalents: occurrence and clinical features in ambulatory practice (Al-Twaijri and Shevell) 2001;50:S109
 validation of the 11-point pain scale in the measurement of migraine headache pain (Pathak et al) 2001;50:S75
- Heart defects, congenital**
 long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94
- Heart rate**
 ganglionic acetylcholine nicotinic receptor $\alpha 5$ subunits in modulation of heart rate (Wang et al) 2001;50:S64
- Helicobacter pylori**
Helicobacter pylori-induced reduction of acute levodopa absorption in Parkinson's disease patients (Pierantozzi et al) 2001;50:686 (Letter)
Helicobacter pylori infection and monocyte CD14 receptor gene polymorphism in patients with stroke (Park et al) 2001;50:S40
- Hemangiopericytoma**
 prolonged hypoglycemic encephalopathy associated with insulin-like growth factor II-producing metastatic hemangiopericytoma (Skjarevski et al) 2001;50:S36

Hemi-Parkinson's disease

reduced *B-CIT* striatal uptake in hemi-Parkinson's disease patients with and without tremor (Eisa et al) 2001;50:S21

Hemimegalencephaly

hemimegalencephaly is a disturbance of cellular lineage (Flores-Sarnat et al) 2001;50:S96

Hemoglobin

hemoglobin toxicity in intracerebral hemorrhage (Streifler et al) 2001;50:S14

Hemorrhage

brain hemorrhage in four infants with inherited coagulopathy (Vorstman et al) 2001;50:S111

compression tests in infantile posthemorrhagic hydrocephalus identify cerebral hemodynamic compromise (Soul et al) 2001;50:S121

disturbed hemodynamics in posthemorrhagic hydrocephalus relates to cerebrospinal fluid volume and not intracranial pressure (Soul et al) 2001;50:S99

risk factors associated with symptomatic hemorrhagic conversion in acute ischemic stroke (Moonis et al) 2001;50:S75

Hemorrhage, cerebral

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

Hemorrhage, intracerebral

antilipid medications and risk of intracerebral hemorrhage (Woo et al) 2001;50:S10

hemoglobin toxicity in intracerebral hemorrhage (Streifler et al) 2001;50:S14

hypotension at presentation is an indicator of poor prognosis in patients with intracerebral hemorrhage (Wasay et al) 2001;50:S42

Hemorrhage, intracranial

—1 C/T annexin V polymorphism: role in primary intracranial hemorrhage (Iniasta et al) 2001;50:S41

Hemorrhage, subarachnoid

are proxy ratings valid for assessing quality of life after subarachnoid hemorrhage? (Ostapkovich et al) 2001;50:S78

cognitive dysfunction and quality of life after subarachnoid hemorrhage (Mayer et al) 2001;50:S78

should patients with subarachnoid hemorrhage be transferred to high-volume hospitals? (Johnston et al) 2001;50:S70

Hereditary cerebral hemorrhage with amyloidosis-Dutch type

dementia in hereditary cerebral hemorrhage with amyloidosis-Dutch type is associated with cerebral amyloid angiopathy but is independent of plaques and neurofibrillary tangles (Natté et al) 2001;50:765

Hereditary motor and sensory neuropathy-Russe

hereditary motor and sensory neuropathy-Russe: new autosomal recessive neuropathy in Balkan Gypsies (Thomas et al) 2001;50:452

Hereditary sensory neuropathy

genetic study of the mutilated foot rat, an animal model for human hereditary sensory neuropathy (Lee et al) 2001;50:S51

Herpes simplex virus type 1

function of herpes simplex virus type 1 latency-associated transcripts in a transgenic mouse model (Steiner et al) 2001;50:S62

herpes simplex virus type 1-induced acute retinal necrosis (Numazaki and Itoh) 2001;50:273 (Letter)

Hiccups

hiccups start, seizures cease (Ikeda et al) 2001;50:128 (Letter)

Hippocampal CA1 area

N-acetyl aspartate and its ratio to total creatine in the hippocampal CA1 area after transient cerebral ischemia in gerbils (Konaka et al) 2001;50:S41

Hippocampal formation

left hippocampal abnormalities in children with pervasive developmental disorder (Stahl et al) 2001;50:S95

Hippocampal gene expression

microarray analysis of hippocampal gene expression in global cerebral ischemia (Jin et al) 2001;50:93

Hippocampal organ cultures

caloric restriction reduces brain volume without hippocampal neuronal loss in organ cultures (Schmitt et al) 2001;50:S43

microglia activation from spreading depression in hippocampal organ cultures parallels that seen in vivo, thus allowing direct exploration of microglia functional genomics of ischemic tolerance (Kraig and Kunkler) 2001;50:S39

Hippocampal sclerosis

cellular compartmentalization of the phosphorylated eukaryotic translation-initiation factor 2 α and nitric oxide synthase in temporal lobe epilepsy resulting from hippocampal sclerosis (Watson et al) 2001;50:S19

Hippocampus

long-term hyperexcitability in the hippocampus after experimental head trauma (Santhakumar et al) 2001;50:708

3-HMG CoA reductase inhibitors (statins)

treatment of experimental allergic encephalomyelitis with 3-HMG CoA reductase inhibitors (statins) decreases disease activity in a dose-dependent manner (Stüve et al) 2001;50:S26

Holoprosencephaly

middle interhemispheric variant of holoprosencephaly: clinical manifestations 2001;50:S114

Hormones, gonadal

gonadal hormones control Alzheimer's β -amyloid levels in vivo (Gandy et al) 2001;50:S8

Hormones, ovarian

follicular-phase changes in the cortical excitability of healthy women (Wassermann et al) 2001;50:S19

Hospitalization

the effect of pneumonia on 30-day mortality for Medicare patients hospitalized for acute stroke (Katzan et al) 2001;50:S74

increased mortality for stroke patients hospitalized during an era of competing demands: implications for quality measurement (Cebul et al) 2001;50:S71

Hospitals

hospital-based pediatric neurology services in Canada (Ronen and Meaney) 2001;50:S131

the impact of a rapid response team on tissue plasminogen activator administration for acute stroke in a community hospital (Castaldo et al) 2001;50:S73

should patients with subarachnoid hemorrhage be transferred to high-volume hospitals? (Johnston et al) 2001;50:S70

HTLV-I-associated myelopathy/tropical spastic paraparesis (HAM/TSP)

increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807

HuD protein

anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

Human endogenous retrovirus

monocyte activation and differentiation augment human endogenous retrovirus expression: implications for inflammatory brain diseases (Johnston et al) 2001;50:434

Human herpesvirus type 6

elevated serum and cerebrospinal fluid levels of soluble human herpesvirus type 6 cellular receptor, membrane cofactor protein, in patients with multiple sclerosis (Soldan et al) 2001;50:486

human herpesvirus 6 limbic encephalitis after stem cell transplantation (Wainwright et al) 2001;50:612

Human immunodeficiency virus

epidermal nerve fiber density, quantitative sensory testing, and virological and immunological measures as predictors of symptomatic human immunodeficiency virus-associated distal symmetrical polyneuropathy (Herrmann et al) 2001;50:S33

increased sensitivity to human immunodeficiency virus type 1 of maturing human central nervous system neurons in differentiating neuroepithelial precursor cell cultures (McCarthy et al) 2001;50:S33

Human immunodeficiency virus dementia

increased frequency of the tumor necrosis factor- α -308 A allele in adults with human immunodeficiency virus dementia (Quasney et al) 2001;50:157

Human immunodeficiency virus encephalopathy

changing face of human immunodeficiency virus encephalopathy in the post-highly active antiretroviral therapy era (Chiriboga et al) 2001;50:S115

Human lymphocyte antigen-B60

increased incidence of HLA-B60 and maternal DR4 in autism (Zimmerman et al) 2001;50:S122

Human lymphocyte antigen-DM

requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27

Human lymphocyte antigen-DR4

increased incidence of HLA-B60 and maternal DR4 in autism (Zimmerman et al) 2001;50:S122

Human lymphocyte antigen-DR15

two-level model of inheritance of multiple sclerosis involving the HLA-DR15 haplotype and a novel locus on chromosome 12p12 (Vitale et al) 2001;50:S65

Human lymphocyte antigen-DR1501

inhibition of binding of myelin basic protein 83-97 to HLA-DR1501 by small organic molecules (Xu et al) 2001;50:S38

Human T-cell lymphotropic virus

dysautonomia in human T-cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis (Alamy et al) 2001;50:681

increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807

Human umbilical vein endothelial cells

serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

Huntington's disease

dichloroacetate exerts therapeutic effects in transgenic mouse models of Huntington's disease (Andreassen et al) 2001;50:112

a disorder similar to Huntington's disease is associated with a novel CAG repeat expansion (Margolis et al) 2001;50:373

striatonigral degeneration in a patient with genetic evidence of Huntington's disease (Toran et al) 2001;50:S46

transplantation of human neural stem cells in rat model of Huntington's disease (Ryu et al) 2001;50:S18

Hydrocephalus

compression tests in infantile posthemorrhagic hydrocephalus identify cerebral hemodynamic compromise (Soul et al) 2001;50:S121

disturbed hemodynamics in posthemorrhagic hydrocephalus relates to cerebrospinal fluid volume and not intracranial pressure (Soul et al) 2001;50:S99

4-Hydroxybutyrate

succinic semialdehyde dehydrogenase deficiency: selective ion monitoring gas chromatography-mass spectrometry identification of urine 4-hydroxybutyrate in the diagnosis of a potentially treatable cause of mental retardation and autistic syndrome (Pearl et al) 2001;50:S115

5-Hydroxytryptamine₁ receptors

evidence for postjunctional serotonin (5-HT₁) receptors in the trigeminocervical complex (Goadsby et al) 2001;50:804

Hyperactivity; see Attention-deficit hyperactivity disorder

Hyperexcitability

long-term hyperexcitability in the hippocampus after experimental head trauma (Santhakumar et al) 2001;50:708

Hyperglycemia

hyperglycemia during acute ischemic stroke and clinical outcomes (Bruno and Hamilton) 2001;50:S13

Hypersensitivity

possible protective role of anti-GM1 antibodies: prevention of conduction block in a rat model of intraneural hypersensitivity reaction (Ifergane et al) 2001;50:S24

Hypertension

new-onset hypertension after age 65 years and the risk of subsequent dementia (Posner et al) 2001;50:S15

Hypertensive encephalopathy

proximal vascular stenosis and distal dilation of intracranial arteries in hypertensive encephalopathy (Bamford et al) 2001;50:S14, 2001;50:S129

Hypocretin

low cerebrospinal fluid hypocretin (orexin) and altered energy homeostasis in human narcolepsy (Nishino et al) 2001;50:381

Hypoglycemia

blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699

Hypoglycemic encephalopathy

prolonged hypoglycemic encephalopathy associated with insulin-like growth factor II-producing metastatic hemangiopericytoma (Skjarevski et al) 2001;50:S36

Hypokalemic periodic paralysis

sodium channel inactivation defects are associated with acetazolamide-exacerbated hypokalemic periodic paralysis (Bendahhou et al) 2001;50:417

Hyponatremia

electroencephalographic and clinical correlation of hyponatremia induced during transurethral resection of the prostate (Reddy and Moorthy) 2001;50:554 (Letter)

Hypotension

hypotension at presentation is an indicator of poor prognosis in patients with intracerebral hemorrhage (Wasay et al) 2001;50:S42

Hypoxia

blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699

Hypoxia-induced seizures

topiramate blocks perinatal hypoxia-induced seizures in rat pups (Koh and Jensen) 2001;50:366

Hypoxia ischemia

topiramate suppresses seizures induced by hypoxia ischemia in immature rats (Koh and Jensen) 2001;50:S108

Hypoxic-ischemic encephalopathy

decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129

Ibuprofen

children's ibuprofen suspension for pediatric migraine (Lewis et al) 2001;50:S93

Ileal contraction

nicotinic acetylcholine receptor subunits $\alpha 5$ and $\beta 4$ in ileal contractile response to ganglionic agonists (Wang et al) 2001;50:S35

Imagery

learning by execution or imagery in Parkinson's disease (Inzelberg et al) 2001;50:S11

Imaging; see also specific modalities

behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirshner) 2001;50:559

imaging stroke recovery: lessons from Prozac (Detre) 2001;50:697 (Editorial)

Imaging, functional

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

stability of activity during functional imaging: myth or reality? (Nastasi et al) 2001;50:S11

Immortalized human microglial cells

generation of immortalized human microglial cell lines: expression of cytokines and chemokines (Nagai et al) 2001;50:S16

Immunity

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

molecular and clinical diversity in paraneoplastic immunity to Ma proteins (Rosenfeld et al) 2001;50:339

Immunoglobulin, intravenous

a double-blind, placebo-controlled, crossover trial of intravenous immunoglobulin in the treatment of anti-GAD antibody-positive patients with stiff-person syndrome (Dalakas et al) 2001;50:S8

effectiveness of intravenous immunoglobulin therapy in cerebellar ataxia associated with gluten sensitivity (Bürk et al) 2001;50:827 (Letter)

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory

demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Immunoglobulin G

paraneoplastic choreoathetosis associated with CRMP-5 immunoglobulin G and lung carcinoma (Vernino et al) 2001;50:S9

Immunosuppressive therapy, high-dose

treatment of severe multiple sclerosis with high-dose immunosuppressive therapy and autologous stem cell transplantation (Nash) 2001;50:S37

Immunotherapy

potential of dendritic cell-based immunotherapy of multiple sclerosis (Link et al) 2001;50:S8

Inborn metabolic errors

utility of screening for inborn metabolic errors in children less than 2 years of age with seizures (Aburahma and Griebel) 2001;50:S107

Inclusion body myositis

possible pathogenic role of cystatin C in sporadic inclusion body myositis (Vattemi et al) 2001;50:S22

Indian families

molecular and clinical correlation in five Indian families with spinocerebellar ataxia 12 (Srivastava et al) 2001;50:796

Infantile neuronal ceroid lipofuscinosis

possible pharmacological intervention in infantile neuronal ceroid lipofuscinosis (Wisniewski et al) 2001;50:S112

Infantile posthemorrhagic hydrocephalus

compression tests in infantile posthemorrhagic hydrocephalus identify cerebral hemodynamic compromise (Soul et al) 2001;50:S121

Infantile spasms

efficacy of the ketogenic diet for the treatment of infantile spasms (Kossoff et al) 2001;50:S107

Infants; see also Neonates; Pediatrics

benign partial epilepsy in infancy: sporadic versus familial forms (Lispi et al) 2001;50:S102

brain hemorrhage in four infants with inherited coagulopathy (Vorstman et al) 2001;50:S111

clinical chorioamnionitis, elevated cytokines, and brain injury in term infants (Shalak et al) 2001;50:S99

infant botulism: the Utah experience, 1986–2000 (Thompson et al) 2001;50:S127

long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94

parental observations of infants subsequently diagnosed with kernicterus (Dixon and Shapiro) 2001;50:S120

Infants, premature

magnetic resonance imaging of the premature infant at term: qualitative abnormalities and their perinatal correlates (Inder et al) 2001;50:S121

predictors and correlates of microcephaly at school age among premature infants (Chiriboga et al) 2001;50:S99

Infarction

acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

Infarction, arterial ischemic

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

Infarction, cerebral

progressing stroke in patients with cerebral infarction in the territory of the deep perforators of the carotid system (Saiki et al) 2001;50:S40

Infarction, lacunar

imaging appearance of the symptomatic perforating artery in patients with lacunar infarction: occlusion or other vascular pathology (Wardlaw et al) 2001;50:208
neuronal activity in the globus pallidus in chorea caused by striatal lacunar infarction (Hashimoto et al) 2001;50:S28

Infection

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330
effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117

Inflammation

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330
inflammation and atrophy in multiple sclerosis: magnetic resonance imaging associations with disease course (Lin and Blumhardt) 2001;50:S55
locus ceruleus regulates β -amyloid-induced cortical inflammation (Feinstein et al) 2001;50:S16
transected neurites, apoptotic neurons, and reduced inflammation in cortical multiple sclerosis lesions (Peterson et al) 2001;50:389

Inflammatory brain diseases

monocyte activation and differentiation augment human endogenous retrovirus expression: implications for inflammatory brain diseases (Johnston et al) 2001;50:434

Inflammatory demyelinating polyradiculoneuropathy, chronic

chronic inflammatory demyelinating polyradiculoneuropathy (Hughes) 2001;50:282 (Editorial)
P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001;50:286
randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Influenza-associated encephalopathy

influenza-associated encephalopathy in children during the 1997-2000 influenza seasons (Yoshikawa et al) 2001;50:S116

Injury, brain; see also Head trauma

clinical chorioamnionitis, elevated cytokines, and brain injury in term infants (Shalak et al) 2001;50:S99

Injury, nerve

approach to focal neuropathic pain: exploiting local opioid receptors in the nerve-injury microenvironment (Zochodne et al) 2001;50:S20

Insomnia

alteration of the serotonergic system in fatal familial insomnia (Cortelli et al) 2001;50:421 (Letter)

Insulin-like growth factor II

prolonged hypoglycemic encephalopathy associated with insulin-like growth factor II-producing metastatic hemangiopericytoma (Skljarevski et al) 2001;50:S36

Interferon

abnormal expression of interferon-stimulated genes in active multiple sclerosis (Feng et al) 2001;50:S27

Interferon- α -3 (alferon N)

response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α -3 (alferon N) versus untreated patients (Onufer et al) 2001;50:S28

Interferon- β

complex immunomodulatory effects of interferon- β in multiple sclerosis include the upregulation of T helper 1-associated marker genes (Wandinger et al) 2001;50:349
interferon- β and glatiramer acetate act differently in multiple sclerosis at the dendritic cell level: basis for improved multiple sclerosis therapy (Huang et al) 2001;50:S25
matrix metalloproteinases and their tissue inhibitors as markers of disease subtype and response to interferon- β therapy in relapsing and secondary-progressive multiple sclerosis patients (Galboiz et al) 2001;50:443

Interferon- β 1b

multiple sclerosis, interferon β -1b and depression: A prospective investigation (Feinstein et al) 2001;50:S39
response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α -3 (alferon N) versus untreated patients (Onufer et al) 2001;50:S28
use of an automated injection device for the delivery of interferon β -1b (Tornatore and Bartlett) 2001;50:S58

Interferon- γ

role of the major histocompatibility complex class II transactivator in interferon- γ -inducible class I and II expression by astrocytes (King et al) 2001;50:S28

Interleukin-1

polymorphism of the interleukin-1 gene complex in localization-related epilepsy (Peltola et al) 2001;50:275 (Letter)

Interleukin-1 β

induction of proinflammatory molecules in mice with amyotrophic lateral sclerosis: no requirement for proapoptotic interleukin-1 β in neurodegeneration (Nguyen et al) 2001;50:630

Interleukin-6

cerebrospinal fluid interleukin-6 levels: a possible marker of disease activity (Jellinger et al) 2001;50:828 (Letter)

Interleukin-8

serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

Interleukin-12

cytokine profiles in multiple sclerosis and optic neuritis: elevation of plasma interleukin-12 in acute relapse of multiple sclerosis (Gregori et al) 2001;50:S55

Interleukin-12p40

interleukin-12p40 genotype plays a role in the susceptibility to multiple sclerosis (van Veen et al) 2001;50:275 (Letter)

International Panel on the Diagnosis of Multiple Sclerosis

recommended diagnostic criteria for multiple sclerosis: guidelines from the International Panel on the Diagnosis

sis of Multiple Sclerosis (McDonald et al) 2001;50:121 (Special Report)

International Registry of Aortic Dissection

the effect of stroke on outcome of acute aortic dissection: results from the International Registry of Aortic Dissection (Kutcher et al) 2001;50:S74

Intracerebral hemorrhage

antilipid medications and risk of intracerebral hemorrhage (Woo et al) 2001;50:S10

hemoglobin toxicity in intracerebral hemorrhage (Streifler et al) 2001;50:S14

hypotension at presentation is an indicator of poor prognosis in patients with intracerebral hemorrhage (Wasay et al) 2001;50:S42

Intracranial aneurysms

systemic lupus erythematosus and intracranial aneurysms (Goodman et al) 2001;50:S15

Intracranial arteries

proximal vascular stenosis and distal dilation of intracranial arteries in hypertensive encephalopathy (Bamford et al) 2001;50:S14, 2001;50:S129

Intracranial hemorrhage

—1 C/T annexin V polymorphism: role in primary intracranial hemorrhage (Iniesta et al) 2001;50:S41

Intracranial hypertension

vitamin A levels in the cerebrospinal fluid of patients with idiopathic intracranial hypertension (Warner et al) 2001;50:S35

Intracranial oligodendrogliomas

a phase 1-2 trial of irinotecan (Camptosar) in the treatment of recurrent intracranial oligodendrogliomas 2001;50:S59

Intraneural hypersensitivity reaction

possible protective role of anti-GM1 antibodies: prevention of conduction block in a rat model of intraneural hypersensitivity reaction (Ifergane et al) 2001;50:S24

Intravenous immunoglobulin

a double-blind, placebo-controlled, crossover trial of intravenous immunoglobulin in the treatment of anti-GAD antibody-positive patients with stiff-person syndrome (Dalakas et al) 2001;50:S8

effectiveness of intravenous immunoglobulin therapy in cerebellar ataxia associated with gluten sensitivity (Bürk et al) 2001;50:827 (Letter)

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Invariant chain

requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27

Invasive monitoring

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

Ionizing radiation

effect of therapeutic ionizing radiation on the human brain (Steen et al) 2001;50:787

Irinotecan (Camptosar)

a phase 1-2 trial of irinotecan (Camptosar) in the treatment of recurrent intracranial oligodendrogliomas 2001;50:S59

Irish population

proportions of coding polymorphisms at codon 129 of the prion protein gene in a healthy Irish population (McGuigan et al) 2001;50:S51

Iron-deficiency anemia

iron-deficiency anemia, thrombocytosis, and stroke: a case series and review of the literature (Reploeg et al) 2001;50:S42

Isatin

isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32

Ischemia

microglia activation from spreading depression in hippocampal organ cultures parallels that seen in vivo, thus allowing direct exploration of microglia functional genomics of ischemic tolerance (Kraig and Kunkler) 2001;50:S39

Ischemia, cerebral

N-acetyl aspartate and its ratio to total creatine in the hippocampal CA1 area after transient cerebral ischemia in gerbils (Konaka et al) 2001;50:S41

citricoline inhibits expression of procaspases and PARP in a model of focal cerebral ischemia (Secades et al) 2001;50:S13

microarray analysis of hippocampal gene expression in global cerebral ischemia (Jin et al) 2001;50:93

Ischemia, hypoxia

topiramate suppresses seizures induced by hypoxia ischemia in immature rats (Koh and Jensen) 2001;50:S108

Ischemia-reperfusion injury

erythropoietin prevents retinal neuronal cell death following ischemia-reperfusion injury in rats (Rosenbaum et al) 2001;50:S13

Ischemic encephalopathy

decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129

Ischemic infarction, arterial

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

Ischemic stroke

acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14

aggressive case management in the Lowering of Vascular Atherosclerotic Risk Study improves quality of life for patients who have suffered ischemic events (Masiado et al) 2001;50:S78

correlation between stroke severity and early ischemic lesion volume on diffusion-weighted imaging: comparison of Japan Stroke Scale and NIH Stroke Scale (Terayama et al) 2001;50:S76

diabetes, blood glucose, and outcome after ischemic stroke (Kissela et al) 2001;50:S74

discrepancy between physician knowledge and practices in the evaluation of coagulopathies in ischemic stroke patients (Bushnell and Goldstein) 2001;50:S72

mean platelet component to measure platelet activation in ischemic stroke (Ryu et al) 2001;50:S42

ovarian hyperstimulation syndrome with ischemic stroke due to an intracardiac thrombus (Worrell et al) 2001;50:S43

- reliability and validity of the assessment of functioning and well-being of patients with ischemic stroke (Goldstein et al) 2001;50:S77
- Ischemic stroke, acute**
 composite data analysis of citicoline in acute ischemic stroke (Dávalos et al) 2001;50:S13
 early carotid endarterectomy after acute ischemic stroke (Bernardini et al) 2001;50:S72
 hyperglycemia during acute ischemic stroke and clinical outcomes (Bruno and Hamilton) 2001;50:S13
 risk factors associated with symptomatic hemorrhagic conversion in acute ischemic stroke (Moonis et al) 2001;50:S75
 serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14
- Ischemic stroke, arterial**
 presumed pre- or perinatal arterial ischemic stroke: risk factors and outcomes (Golomb et al) 2001;50:163
- Japan Stroke Scale (JSS)**
 correlation between stroke severity and early ischemic lesion volume on diffusion-weighted imaging: comparison of Japan Stroke Scale and NIH Stroke Scale (Terayama et al) 2001;50:S76
- Japanese encephalitis virus**
 isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32
- Japanese families**
 early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9
- Jaundice**
 changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121
- Kainate**
 induction of mutant "ubiquitin + 1" in adult rat brain following kainate-induced seizures: relevance for neurodegeneration (Tan et al) 2001;50:S18
- Kernicterus**
 changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121
 parental observations of infants subsequently diagnosed with kernicterus (Dixon and Shapiro) 2001;50:S120
- Ketogenic diet**
 efficacy of the ketogenic diet for the treatment of infantile spasms (Kossoff et al) 2001;50:S107
 ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbott et al) 2001;50:S102
- Lacunar infarction**
 imaging appearance of the symptomatic perforating artery in patients with lacunar infarction: occlusion or other vascular pathology (Wardlaw et al) 2001;50:208
- neuronal activity in the globus pallidus in chorea caused by striatal lacunar infarction (Hashimoto et al) 2001;50:528
- Lambert-Eaton myasthenic syndrome**
 a seronegative Lambert-Eaton myasthenic syndrome patient developing a secondary factor VIII deficiency (Urbanits et al) 2001;50:S53
- Lamictal**
 long-term tolerability of lamotrigine (Lamictal) in pediatric patients (Gilman et al) 2001;50:S92
- Lamotrigine**
 lamotrigine for painful polyneuropathy: randomized, placebo-controlled, double-blind parallel-group pilot study (Hart et al) 2001;50:S35
 long-term tolerability of lamotrigine (Lamictal) in pediatric patients (Gilman et al) 2001;50:S92
- Landau-Kleffner syndrome**
 antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123
 lack of utility of electroencephalogram monitoring in autistic syndrome patients for the identification of Landau-Kleffner syndrome (Pearl et al) 2001;50:S126
- Landau-Kleffner variant**
 antiendothelial antibodies: characterization of antigenic targets of sera from children with Landau-Kleffner syndrome, Landau-Kleffner variant, autism, and epilepsy (Connolly et al) 2001;50:S123
- Language**
 dislocation of speech-relevant areas in chronic brain lesions as a consequence of functional disinhibition (Heiss et al) 2001;50:S31
- Language development**
 children performing lexical tasks engage similar but not identical brain regions, when compared with adults (Schlaggar et al) 2001;50:S94
 language neural networks of auditory processing in young children identified with functional magnetic resonance imaging (Gaillard et al) 2001;50:S94
 positron emission tomography to determine language dominance in children: a comparison with the Wada test (Kaplan et al) 2001;50:S106
- Language disorders**
 brain asymmetries in autistic, language-disordered, and normal schoolage boys (Herbert et al) 2001;50:S122
- Language networks**
 plasticity of language networks in patients with brain tumors: a positron emission tomography activation study (Thiel et al) 2001;50:620
- Language testing**
 behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirsner) 2001;50:559
- Laser Doppler imaging**
 autonomic testing with laser Doppler imaging (Grothusen et al) 2001;50:S36
- Lead poisoning**
 long-term outcome after childhood lead poisoning (Lidsky et al) 2001;50:S75
- Learning**
 learning by execution or imagery in Parkinson's disease (Inzelberg et al) 2001;50:S11
- Learning, motor**
 effect of levetiracetam on rapid motor learning in humans (Sohn et al) 2001;50:S31

Lebanese families

nonprogressive autosomal recessive ataxia maps to chromosome 9q34-9qter in a large consanguineous Lebanese family (Delague et al) 2001;50:250

Lennox-Gastaut syndrome

levetiracetam in the treatment of Lennox-Gastaut syndrome (de los Reyes et al) 2001;50:S108

Lesions

ocular flutter associated with a localized lesion in the paramedian pontine reticular formation (Schon et al) 2001;50:413

Lesions, right thalamic

pure representational neglect after right thalamic lesion (Ortigue et al) 2001;50:401

Leukemia, acute lymphocytic

children who are long-term survivors of acute lymphocytic leukemia demonstrate working memory dysfunction on an N-back test (Wolraich et al) 2001;50:S110

Leukodystrophy

late-onset metachromatic leukodystrophy clinically presenting as isolated peripheral neuropathy: compound heterozygosity for the IVS2+1G→A mutation and a newly identified missense mutation (Thr408Ile) in a Spanish family (Comabella et al) 2001;50:108
monozygotic twins with X-linked adrenoleukodystrophy and different phenotypes (Di Rocco et al) 2001;50:424 (Letter)

Leukodystrophy, X-linked

X-linked leukodystrophy with metaphyseal chondrodysplasia (Kohlschütter et al) 2001;50:S113

Leukoencephalopathy

adult-onset leukoencephalopathy with vanishing white matter presenting with dementia (Prass et al) 2001;50:665

Leukomalacia

calcium-permeable AMPA receptors present in developing oligodendrocytes in a rodent model of periventricular leukomalacia (Follett et al) 2001;50:S98

Leukomalacia, periventricular

transfontanel ultrasonography fails to diagnose periventricular leukomalacia (Miller et al) 2001;50:S119

Levetiracetam

effect of levetiracetam on rapid motor learning in humans (Sohn et al) 2001;50:S31
levetiracetam: pediatric experience (Ng and Wheless) 2001;50:S105
levetiracetam in the treatment of Lennox-Gastaut syndrome (de los Reyes et al) 2001;50:S108

Levodopa

Helicobacter pylori-induced reduction of acute levodopa absorption in Parkinson's disease patients (Pierantozzi et al) 2001;50:686 (Letter)
levodopa induces dyskinesias in normal squirrel monkeys (Togasaki et al) 2001;50:254
pharmacodynamic modeling of oral levodopa in Parkinson's disease (Contin et al) 2001;50:687 (Letter)
spinocerebellar ataxia type 2 presenting as familial levodopa-responsive parkinsonism (Shan et al) 2001;50:812

Levodopa-responsive parkinsonism

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

Lewy bodies

Alzheimer's disease versus dementia with Lewy bodies: cerebral metabolic distinction with autopsy confirmation (Minoshima et al) 2001;50:358

diagnostic accuracy for dementia with Lewy bodies (Merdes et al) 2001;50:S16

Lewy bodies and parkinsonism in families with *parkin* mutations (Farrer et al) 2001;50:293

α -synuclein-containing Lewy bodies in Pick's disease: epitope mapping is similar regardless of the underlying disease (Lippa et al) 2001;50:S15

Lewy body disease

quetiapine in the treatment of psychosis in patients with Parkinson's disease and dementia (Lewy body disease variant) (Parsa et al) 2001;50:S77

Limb-girdle muscular dystrophy 1C

biochemical and morphological analysis of the transgenic mouse model for limb-girdle muscular dystrophy 1C (Sunada et al) 2001;50:S24

Limbic encephalitis

human herpesvirus 6 limbic encephalitis after stem cell transplantation (Wainwright et al) 2001;50:612
potassium channel antibodies in two patients with reversible limbic encephalitis (Buckley et al) 2001;50:73

Linkage analysis

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

Local anesthetics

efficacy of eutectic mixture of local anesthetic (EMLA) cream as a topical anesthetic for lumbar puncture (Milazzo et al) 2001;50:S130

Localization-related epilepsy

dysembryoplastic neuroepithelial tumor: a surgically correctable cause of symptomatic localization-related epilepsy (Joshi et al) 2001;50:S107
polymorphism of the interleukin-1 gene complex in localization-related epilepsy (Peltola et al) 2001;50:275 (Letter)
whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Locus ceruleus

locus ceruleus regulates β -amyloid-induced cortical inflammation (Feinstein et al) 2001;50:S16

Los Angeles County Medical Center

neurocysticercosis: 469 cases from Los Angeles County Medical Center (Mehdi et al) 2001;50:S79

Lowering of Vascular Atherosclerotic Risk (LOVAR) study

Lowering of Vascular Atherosclerotic Risk (LOVAR) study: prospective controlled 5-year trial of aggressive multi-risk factor modification for stroke (Thomas et al) 2001;50:S69

Lumbar puncture

efficacy of eutectic mixture of local anesthetic (EMLA) cream as a topical anesthetic for lumbar puncture (Milazzo et al) 2001;50:S130

Lung carcinoma

ANNA-3 anti-neuronal nuclear antibody: marker of lung cancer-related autoimmunity (Chan et al) 2001;50:301
corticospinal tract dysfunction, bilateral aducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60
paraneoplastic choreoathetosis associated with CRMP-5 immunoglobulin G and lung carcinoma (Vernino et al) 2001;50:S9

Lupus; see Systemic lupus erythematosus

Lyme neuroborreliosis

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

Lysis

altered natural killer cell conjugation and lysis precede the development of clinical relapses in multiple sclerosis (Kastrukoff et al) 2001;50:S29

Ma proteins

molecular and clinical diversity in paraneoplastic immunity to Ma proteins (Rosenfeld et al) 2001;50:339

Magnetic resonance angiography

magnetic resonance angiography in neonatal stroke demonstrates luxury perfusion at 1 week of life (Hardison et al) 2001;50:S129

Magnetic resonance imaging

acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14

brain magnetic resonance imaging in 23 patients with mucopolysaccharidoses and the effect of bone marrow transplantation (Seto et al) 2001;50:79

cerebral blood flow velocity and risk of white matter hyperintensities (Tzourio) 2001;50:129 (Letter)

clinical correlates of white matter abnormalities on magnetic resonance imaging of the head (Lasbury et al) 2001;50:S116

comparison study between magnetic resonance imaging and cerebral angiography in the evaluation of extracranial carotid artery stenosis (Alkhsam et al) 2001;50:S41

effects of scanning frequency on magnetic resonance-detected multiple sclerosis activity (Zhao et al) 2001;50:S56

effects of seasons on magnetic resonance imaging-measured disease activity in patients with multiple sclerosis (Tremlett) 2001;50:422 (Letter)

gray matter T2 hypointensity, plaques, and atrophy in multiple sclerosis patients and correlation with clinical findings (Bakshi et al) 2001;50:S28

inflammation and atrophy in multiple sclerosis: magnetic resonance imaging associations with disease course (Lin and Blumhardt) 2001;50:S55

magnetic imaging resonance characteristics of antibody-mediated demyelination (Genain et al) 2001;50:S37

magnetic resonance imaging of the premature infant at term: qualitative abnormalities and their perinatal correlates (Inder et al) 2001;50:S121

magnetic resonance imaging subcortical atrophy measured by the bicaudate ratio predicts cognitive dysfunction in multiple sclerosis (Bermel et al) 2001;50:S30

neonatal encephalopathy as a predictor of magnetic resonance imaging abnormalities in term newborns with perinatal depression (Kaufman et al) 2001;50:S119

posterior mid-body and isthmus of corpus callosum reduction in Williams syndrome: an in vivo magnetic resonance imaging study (Caravale et al) 2001;50:S113

postirradiation polyradiculopathy mimics leptomeningeal tumor on magnetic resonance imaging (Hsia and Peterson) 2001;50:S60

response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α -3 (al-

feron N) versus untreated patients (Onufer et al) 2001;50:S28

T2-weighted hyperintensities in neurofibromatosis type 1: their impact on cognitive function in Chinese children (Goh et al) 2001;50:S112

Magnetic resonance imaging, functional

functional magnetic resonance imaging study of paced finger tapping in children who are good or poor readers (Rivkin et al) 2001;50:S94

language neural networks of auditory processing in young children identified with functional magnetic resonance imaging (Gaillard et al) 2001;50:S94

loss of functional connectivity in multiple sclerosis by functional magnetic resonance imaging analysis (Mattsson et al) 2001;50:S29

Magnetic resonance imaging, three-dimensional

white matter T1 relaxation time in multiple sclerosis acquired by three-dimensional magnetic resonance imaging (Vaithianathar et al) 2001;50:S56

Magnetic resonance spectroscopy, proton

follow-up study of Parkinson's disease using proton magnetic resonance spectroscopy (Terakawa et al) 2001;50:S48

proton magnetic resonance spectroscopy in children with posttraumatic diffuse axonal injury (Ashwal et al) 2001;50:S93

proton magnetic resonance spectroscopy of brain metabolites in galactosemia (Wang et al) 2001;50:266

proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121

use of proton magnetic resonance spectroscopy to assess neurological outcome in children undergoing profound hypothermic cardiopulmonary bypass (Ashwal et al) 2001;50:S93

Magnetic stimulation, transcranial

quantitative analysis of therapeutic transcranial magnetic stimulation for spinocerebellar degeneration (Jin et al) 2001;50:S53

transcranial magnetic stimulation is useful to improve ataxic gait of spinocerebellar ataxia 6 patients (Shimizu et al) 2001;50:S63

Magnetization transfer ratios

contrast-enhancing lesions predict magnetization transfer ratios and cerebral atrophy in relapsing-remitting multiple sclerosis patients: preliminary results of an 8-year follow-up study (Richert et al) 2001;50:S38

Magnetoencephalography

magnetoencephalographic fields from patients with spontaneous and induced migraine aura (Bowyer et al) 2001;50:S82

Major histocompatibility complex class II

induction of chronic relapsing experimental autoimmune encephalomyelitis by cyclosporin A treatment in Lewis rats is correlated with thymic expression of major histocompatibility complex class II (Fontoura et al) 2001;50:S30

Major histocompatibility complex class II transactivator

MHC class II transactivator as a candidate gene in multiple sclerosis susceptibility (Zamvil et al) 2001;50:S26

role of the major histocompatibility complex class II transactivator in interferon- γ -inducible class I and II expression by astrocytes (King et al) 2001;50:S28

Malignant brain infarction

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

Managed care

neuropsychology: an adaptation for a managed care environment (Carey et al) 2001;50:S122

Mapping

human brain mapping in dystonia reveals both endophenotypic traits and adaptive reorganization (Meunier et al) 2001;50:S21

Marital relationships

shared and unique psychosocial contributions to marital and nonmarital well-being in brain tumor patients and their spouses (Anderson et al) 2001;50:S77

Matrix metalloproteinases

matrix metalloproteinases and their tissue inhibitors as markers of disease subtype and response to interferon- β therapy in relapsing and secondary-progressive multiple sclerosis patients (Galboiz et al) 2001;50:443

matrix metalloproteinases in multiple sclerosis: is it time for a treatment trial? (Rosenberg) 2001;50:431 (Editorial)

McArdle's disease

molecular heterogeneity of myophosphorylase deficiency (McArdle's disease): a genotype-phenotype correlation study (Martin et al) 2001;50:574

McLeod syndrome

McLeod neuroacanthocytosis: genotype and phenotype (Danek et al) 2001;50:755

MCP-1

new single nucleotide polymorphisms in the MCP-1 promoter region in patients with carotid atherosclerosis (Nyquist et al) 2001;50:S66

serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

MECP2 gene

classic Rett syndrome in a boy as a result of somatic mosaicism for a *MECP2* mutation (Armstrong et al) 2001;50:692 (Letter)

Medicaid

development and independent validation of prospective mortality risk-adjustment models for Alzheimer's disease and related dementias based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S75

development and independent validation of prospective mortality risk-adjustment models for incident cases of ischemic and hemorrhagic stroke based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S70

Medicare

the effect of pneumonia on 30-day mortality for Medicare patients hospitalized for acute stroke (Katzan et al) 2001;50:S74

Medications; see also Drug data; specific medications

antilipid medications and risk of intracerebral hemorrhage (Woo et al) 2001;50:S10

are certain diuretics also anticonvulsants? (Hesdorffer et al) 2001;50:458

health and economic outcomes for drugs that slow multiple sclerosis disability progression: improvement in prevalence cohorts with more years since onset (Brown et al) 2001;50:S79

Membrane cofactor protein (CD46)

elevated serum and cerebrospinal fluid levels of soluble human herpesvirus type 6 cellular receptor, membrane cofactor protein, in patients with multiple sclerosis (Soldan et al) 2001;50:486

Memory, long-term

distinctive interaction between long-term memory and daytime somnolence in cognitively normal apolipoprotein E ϵ 4/4 homozygotes (Caselli et al) 2001;50:S16

Memory, working

children who are long-term survivors of acute lymphocytic leukemia demonstrate working memory dysfunction on an N-back test (Wolraich et al) 2001;50:S110

Memory deficits

awareness of memory deficit and behavioral abnormalities in patients with severe dementia: differences between Alzheimer's and non-Alzheimer's patients (Al-Aloucy et al) 2001;50:S44

Memory dysfunction

children who are long-term survivors of acute lymphocytic leukemia demonstrate working memory dysfunction on an N-back test (Wolraich et al) 2001;50:S110

Meningioma

losses of protein 4.1 tumor suppressors are critical early events in meningioma development (Gutman et al) 2001;50:S30

radiation-induced atypical meningiomas (Allen et al) 2001;50:S110

Mental retardation

succinic semialdehyde dehydrogenase deficiency: selective ion monitoring gas chromatography-mass spectrometry identification of urine 4-hydroxybutyrate in the diagnosis of a potentially treatable cause of mental retardation and autistic syndrome (Pearl et al) 2001;50:S115

Merkel cell carcinoma

anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

Metabolic enzymes

metabolic enzyme expression in dopaminergic neurons in Parkinson's disease: an in situ hybridization study (Kingsbury et al) 2001;50:142

Metabolic myopathy

β -enolase deficiency, a new metabolic myopathy of distal glycolysis (Comi et al) 2001;50:202

Metachromatic leukodystrophy

late-onset metachromatic leukodystrophy clinically presenting as isolated peripheral neuropathy: compound heterozygosity for the IVS2+1G \rightarrow A mutation and a newly identified missense mutation (Thr408Ile) in a Spanish family (Comabella et al) 2001;50:108

Metaphyseal chondrodysplasia

X-linked leukodystrophy with metaphyseal chondrodysplasia (Kohlschütter et al) 2001;50:S113

Metastases

comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31

Metastatic hemangiopericytoma

prolonged hypoglycemic encephalopathy associated with insulin-like growth factor II-producing metastatic hemangiopericytoma (Skjarevski et al) 2001;50:S36

Methanol poisoning

methanol poisoning in the United States, 1993-1998 (Davis et al) 2001;50:S36

Methionine-129

increased incidence of sporadic Creutzfeldt-Jakob disease on the island of Crete associated with a high rate of *PRNP* 129-methionine homozygosity in the local population (Plaitakis et al) 2001;50:227

N-Methyl-D-aspartate

programmed cell death after status epilepticus: evidence for NMDA-mediated mechanisms (Mikati et al) 2001;50:S63

N-Methyl-D-aspartate currents

corticotropin-releasing factor modulates *N*-methyl-D-aspartate currents at some hippocampal synapses (Christine and Malenka) 2001;50:S25

N-Methyl-D-aspartate receptors

altered expression of NMDA receptor subunit proteins and glial glutamate transporter protein in a case of Rasmussen's syndrome (Lachhwani et al) 2001;50:S101

status epilepticus-induced programmed cell death and ceramide increases are NMDA receptor activation dependent (Mikati et al) 2001;50:S106

Mexican families

clinical and genetic analysis of four Mexican families with spinocerebellar ataxia type 10 (Rasmussen et al) 2001;50:234

Microarray analysis

differences in gene expression of extracellular matrix molecules found by microarray analysis of Sturge-Weber syndrome brain tissue and fibroblasts (Comi et al) 2001;50:S97

microarray analysis of hippocampal gene expression in global cerebral ischemia (Jin et al) 2001;50:93

microarrays, markers of disease, and the myth of "nonhypothesis-driven" research (Greenberg) 2001;50:695 (Editorial)

resistance of dopamine in glial cells is associated with increased expression of defense genes as indicated by RNA microarray analysis (Offen et al) 2001;50:S46

Microcephaly

predictors and correlates of microcephaly at school age among premature infants (Chiriboga et al) 2001;50:S99

Microglia

fractalkine and CX₃CR1 in human neurons, astrocytes, microglia, and hybrid neurons (Hatori et al) 2001;50:S25

microglia activation from spreading depression in hippocampal organ cultures parallels that seen in vivo, thus allowing direct exploration of microglia functional genomics of ischemic tolerance (Kraig and Kunkler) 2001;50:S39

Microglial cells

generation of immortalized human microglial cell lines: expression of cytokines and chemokines (Nagai et al) 2001;50:S16

Microgyria

functional activation of microgyric visual cortex in a human (Innocenti et al) 2001;50:672

Microneurosurgery

comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31

Migraine headache

genetic studies in a new family with paroxysmal kinesigenic dyskinesia and migraine (Alper et al) 2001;50:S115

magnetoencephalographic fields from patients with spontaneous and induced migraine aura (Bowyer et al) 2001;50:582

migraine headache in Tourette's syndrome (Kwak et al) 2001;50:S21

validation of the 11-point pain scale in the measurement of migraine headache pain (Pathak et al) 2001;50:S75

Migraine headache, pediatric

children's ibuprofen suspension for pediatric migraine (Lewis et al) 2001;50:S93

gabapentin for migraine prophylaxis in children (Belman et al) 2001;50:S109

pediatric migraine equivalents: occurrence and clinical features in ambulatory practice (Al-Twaijri and Shevell) 2001;50:S109

Migration abnormalities

migration abnormalities in temporal lobe epilepsy (Khatri et al) 2001;50:S20

Mini-Mental State Examination (MMSE)

can the Mini-Mental State Examination and the Alzheimer's disease assessment scale (cognitive) be converted directly? evidence based on predictions of patient disability (Ishak et al) 2001;50:S74

Mitochondrial cytopathy

paroxysmal events in children with mitochondrial cytopathies and epilepsy (Saneto et al) 2001;50:S101

Mitochondrial disease

progressive mitochondrial disease resulting from a novel missense mutation in the mitochondrial DNA ND3 gene (Taylor et al) 2001;50:104

Mitochondrial disorders

early-onset multisystem mitochondrial disorder caused by a nonsense mutation in the mitochondrial DNA *cytochrome c oxidase II* gene (Campos et al) 2001;50:409

increase in the concentration of respiratory chain components as predictors of alterations in the electron flow in patients with mitochondrial disorders (Salganicoff et al) 2001;50:S114

status epilepticus in mitochondrial disorders (Ghosh et al) 2001;50:S105

Mitochondrial DNA

multisystem disorder associated with a missense mutation in the mitochondrial cytochrome *b* gene (Wibrand et al) 2001;50:540

Mitochondrial myopathy

aerobic conditioning in patients with mitochondrial myopathies: physiological, biochemical, and genetic effects (Taivassalo et al) 2001;50:133

Mitoxantrone

safety and tolerability of mitoxantrone use in multiple sclerosis: phase IV experience with 140 patients on single and combination treatment (Sadiq and Sylvester) 2001;50:S56

Modafinil

modafinil use in spastic cerebral palsy: a pilot study (Hurst et al) 2001;50:S118

Mohr-Tranebjærg syndrome

a novel deafness/dystonia peptide gene mutation that causes dystonia in female carriers of Mohr-Tranebjærg syndrome (Swerdlow and Wooten) 2001;50:S37

Molybdenum cofactor deficiency

new insights into the pathogenesis of molybdenum cofactor deficiency (Salman et al) 2001;50:S112

Monitoring, invasive

invasive monitoring and functional imaging for the identification of malignant brain infarction (Heiss et al) 2001;50:S12

Monoclonal antibodies

construction and expression of recombinant antiacetylcholine receptor monoclonal antibodies to study the role of

- complement activation in experimental autoimmune myasthenia gravis (Kirvan et al) 2001;50:S24
- Monocyte-endothelial microparticle complexes**
elevated blood monocyte-endothelial microparticle complexes in multiple sclerosis (Minagar et al) 2001;50:S27
- Monocytes**
monocyte activation and differentiation augment human endogenous retrovirus expression: implications for inflammatory brain diseases (Johnston et al) 2001;50:434
- Morvan's syndrome**
physiological studies of Morvan's syndrome (Josephs et al) 2001;50:S34
- Mosaicism**
Glut-1 deficiency syndrome: R333W genotype and paternal mosaicism (Wang et al) 2001;50:S124
- Mosaicism, paternal**
Glut-1 deficiency syndrome: R333W genotype and paternal mosaicism (Wang et al) 2001;50:S124
- Motor conduction**
comparison of sensitivity of various motor conduction techniques in the diagnosis of carpal tunnel syndrome (Chang) 2001;50:S53
- Motor cortex**
follicular-phase changes in the cortical excitability of healthy women (Wassermann et al) 2001;50:S19
reorganization of human motor cortex after hand replantation (Röricht et al) 2001;50:240
- Motor impairment**
motor impairment in normal aging, possible and definite Parkinson's disease: longitudinal evaluation of a cohort of prospective brain donors (Adler et al) 2001;50:S49
- Motor learning**
effect of levetiracetam on rapid motor learning in humans (Sohn et al) 2001;50:S31
- Motor maturation**
dissociation of motor maturation (DiMario) 2001;50:S117
- Motor neuron disease**
 α -synuclein staining patterns in motor neuron disease (Doherty et al) 2001;50:S52
- Motor performance**
fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke (Pariente et al) 2001;50:718
- Motor unit number estimation**
critical illness myopathy: a new diagnostic array and comparison with neuropathology (Weimer et al) 2001;50:S52
- Movement**
involvement of the human subthalamic nucleus in movement preparation (Paradiso et al) 2001;50:S21
- Mucopolysaccharidoses**
brain magnetic resonance imaging in 23 patients with mucopolysaccharidoses and the effect of bone marrow transplantation (Seto et al) 2001;50:79
- Multiple sclerosis, analysis**
cytokine profiles in peripheral blood from multiple sclerosis patients (Fernández et al) 2001;50:S58
effects of scanning frequency on magnetic resonance-detected multiple sclerosis activity (Zhao et al) 2001;50:S56
effects of seasons on magnetic resonance imaging-measured disease activity in patients with multiple sclerosis (Tremlett) 2001;50:422 (Letter)
elevated blood monocyte-endothelial microparticle complexes in multiple sclerosis (Minagar et al) 2001;50:S27
- gray matter T2 hypointensity, plaques, and atrophy in multiple sclerosis patients and correlation with clinical findings (Bakshi et al) 2001;50:S28
- inflammation and atrophy in multiple sclerosis: magnetic resonance imaging associations with disease course (Lin and Blumhardt) 2001;50:S55
- influence of sunshine on multiple sclerosis patients' consultations with the general practitioner (Tremlett et al) 2001;50:S57
- loss of functional connectivity in multiple sclerosis by functional magnetic resonance imaging analysis (Mattson et al) 2001;50:S29
- magnetic resonance imaging subcortical atrophy measured by the bicaudate ratio predicts cognitive dysfunction in multiple sclerosis (Bermel et al) 2001;50:S30
- matrix metalloproteinases in multiple sclerosis: is it time for a treatment trial? (Rosenberg) 2001;50:431 (Editorial)
- multiple sclerosis: altered glutamate homeostasis in lesions correlates with oligodendrocyte and axonal damage (Werner et al) 2001;50:169
- transected neurites, apoptotic neurons, and reduced inflammation in cortical multiple sclerosis lesions (Peterson et al) 2001;50:389
- white matter T1 relaxation time in multiple sclerosis acquired by three-dimensional magnetic resonance imaging (Vaithianathar et al) 2001;50:S56
- Multiple sclerosis, chronic**
borna disease virus RNA is absent in chronic multiple sclerosis (Haase et al) 2001;50:423 (Letter)
- Multiple sclerosis, clinical features**
clinical features of multiple sclerosis patients with mild cognitive impairment (Krupp et al) 2001;50:S59
multiple sclerosis characteristics in African-American patients in the New York State MS Consortium (Weinstock-Guttman et al) 2001;50:S58
- Multiple sclerosis, conjugal**
conjugal multiple sclerosis (Hawkes) 2001;50:547 (Letter)
- Multiple sclerosis, diagnostic criteria**
recommended diagnostic criteria for multiple sclerosis: guidelines from the International Panel on the Diagnosis of Multiple Sclerosis (McDonald et al) 2001;50:121 (Special Report)
- Multiple sclerosis, drug therapy**
health and economic outcomes for drugs that slow multiple sclerosis disability progression: improvement in prevalence cohorts with more years since onset (Brown et al) 2001;50:S79
interferon- β and glatiramer acetate act differently in multiple sclerosis at the dendritic cell level: basis for improved multiple sclerosis therapy (Huang et al) 2001;50:S25
response of magnetic resonance T2 lesion load in patients with multiple sclerosis: blinded study of treatment with interferon- β 1b (betaseron) versus interferon- α -3 (alferon N) versus untreated patients (Onufer et al) 2001;50:S28
safety and tolerability of mitoxantrone use in multiple sclerosis: phase IV experience with 140 patients on single and combination treatment (Sadiq and Sylvester) 2001;50:S56
- Multiple sclerosis, epidemiology**
multiple sclerosis occurrence in relatives of Sardinian multiple sclerosis patients (Pugliatti et al) 2001;50:S51

Multiple sclerosis, familial

PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30

Multiple sclerosis, genetics

abnormal expression of interferon-stimulated genes in active multiple sclerosis (Feng et al) 2001;50:S27

interleukin-12p40 genotype plays a role in the susceptibility to multiple sclerosis (van Veen et al) 2001;50:275 (Letter)

MHC class II transactivator as a candidate gene in multiple sclerosis susceptibility (Zamvil et al) 2001;50:S26

two-level model of inheritance of multiple sclerosis involving the HLA-DR15 haplotype and a novel locus on chromosome 12p12 (Vitale et al) 2001;50:S65

Multiple sclerosis, immunology

antibodies to *Acinetobacter* but not to *Escherichia coli*, *Klebsiella*, or *Proteus* are present in multiple sclerosis (Ebringer et al) 2001;50:S57

endogenous retroviruses and multiple sclerosis (Kolson) 2001;50:429 (Editorial)

immunohistochemical localization of chlamydial antigens in the central nervous system of patients with multiple sclerosis (Tharp et al) 2001;50:S37

linking multiple sclerosis and autoimmune (type 1) diabetes (Dosch et al) 2001;50:S57

multiple sclerosis patients have elevated levels of antibodies to *Acinetobacter* peptides that mimic neurofilaments (Hughes et al) 2001;50:S58

Multiple sclerosis, immunotherapy

complex immunomodulatory effects of interferon- β in multiple sclerosis include the upregulation of T helper 1-associated marker genes (Wandinger et al) 2001;50:349

potential of dendritic cell-based immunotherapy of multiple sclerosis (Link et al) 2001;50:S8

treatment of severe multiple sclerosis with high-dose immunosuppressive therapy and autologous stem cell transplantation (Nash) 2001;50:S37

Multiple sclerosis, microbiology

elevated serum and cerebrospinal fluid levels of soluble human herpesvirus type 6 cellular receptor, membrane cofactor protein, in patients with multiple sclerosis (Soldan et al) 2001;50:486

Multiple sclerosis, neuropsychology

multiple sclerosis, interferon- β -1b and depression: A prospective investigation (Feinstein et al) 2001;50:S39

neuropsychological assessment of multiple sclerosis patients: a validation study of an automated, computerized battery (Wilken et al) 2001;50:S57

neuropsychological profile of children with multiple sclerosis: a pilot study to define areas of impairment and plan cognitive rehabilitation (Cianciulli et al) 2001;50:S61

Multiple sclerosis, relapsing

altered natural killer cell conjugation and lysis precede the development of clinical relapses in multiple sclerosis (Kastrukoff et al) 2001;50:S29

cytokine profiles in multiple sclerosis and optic neuritis: elevation of plasma interleukin-12 in acute relapse of multiple sclerosis (Gregori et al) 2001;50:S55

matrix metalloproteinases and their tissue inhibitors as markers of disease subtype and response to interferon- β therapy in relapsing and secondary-progressive multiple sclerosis patients (Galboiz et al) 2001;50:443

Multiple sclerosis, relapsing-relapsing

contrast-enhancing lesions predict magnetization transfer ratios and cerebral atrophy in relapsing-relapsing multiple sclerosis patients: preliminary results of an 8-year follow-up study (Richert et al) 2001;50:S38

how well does the Multiple Sclerosis Functional Composite predict neurological outcome in relapsing-relapsing multiple sclerosis? (Rudick et al) 2001;50:S70

longitudinal study of cognitive function, psychiatric aspects and quality of life in multiple sclerosis relapsing-relapsing patients (Donatella et al) 2001;50:S59

sample size estimates for determining treatment effects in high-risk patients with early relapsing-relapsing multiple sclerosis (Scott et al) 2001;50:S29

Multiple sclerosis, secondary-progressive

immunology of secondary-progressive multiple sclerosis (Prineas et al) 2001;50:646

matrix metalloproteinases and their tissue inhibitors as markers of disease subtype and response to interferon- β therapy in relapsing and secondary-progressive multiple sclerosis patients (Galboiz et al) 2001;50:443

Multiple Sclerosis Functional Composite

how well does the Multiple Sclerosis Functional Composite predict neurological outcome in relapsing-relapsing multiple sclerosis? (Rudick et al) 2001;50:S70

Multiple Sclerosis Pharmacologic Economic Evaluation Tool (MS PEET)

health and economic outcomes for drugs that slow multiple sclerosis disability progression: improvement in prevalence cohorts with more years since onset (Brown et al) 2001;50:S79

Multiple system atrophy

depletion of corticotropin-releasing factor neurons in the pontine micturition area in multiple system atrophy (Benarroch and Schmeichel) 2001;50:640

a novel grading scale for striatonigral degeneration (multisystem atrophy) (Jellinger et al) 2001;50:S49

peripherally and centrally mediated dysautonomia in idiopathic Parkinson's disease compared with multiple system atrophy (Horn et al) 2001;50:S36

Multipotential cells; see Stem cells

Multisystem disorders

early-onset multisystem mitochondrial disorder caused by a nonsense mutation in the mitochondrial DNA *cytochrome c oxidase II* gene (Campos et al) 2001;50:409

multisystem disorder associated with a missense mutation in the mitochondrial cytochrome *b* gene (Wibbrand et al) 2001;50:540

Muscle, extraocular

effects of fatigue and temperature on extraocular muscle (Kaminski and Richmonds) 2001;50:S55

Muscular atrophy, pediatric

outcome measures for pediatric muscular atrophy (Iannaccone and the AmSTART Group) 2001;50:S127

Muscular atrophy, spinal

postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54

Muscular dystrophy, facioscapulohumeral

complete allele information in the diagnosis of facioscapulohumeral muscular dystrophy by triple DNA analysis (Lemmers et al) 2001;50:816

Muscular dystrophy, limb-girdle

biochemical and morphological analysis of the transgenic mouse model for limb-girdle muscular dystrophy 1C (Sunada et al) 2001;50:S24

Mutations

- classic Rett syndrome in a boy as a result of somatic mosaicism for a *MECP2* mutation (Armstrong et al) 2001; 50:692 (Letter)
 - a disorder similar to Huntington's disease is associated with a novel CAG repeat expansion (Margolis et al) 2001;50:373
 - diverse trafficking abnormalities for connexin32 mutants causing Charcot-Marie-Tooth disease (Yum et al) 2001; 50:S98
 - external ophthalmoplegia with severe progressive multiorgan involvement associated with the mtDNA A3243G mutation (Hansrote et al) 2001;50:S46
 - Glut-1 deficiency syndrome: autosomal dominant transmission of the R126C missense mutation (Ho et al) 2001;50:S125
 - Glut-1 deficiency syndrome: autosomal dominant transmission of the R126H missense mutation (Wang et al) 2001;50:S125
 - induction of mutant "ubiquitin + 1" in adult rat brain following kainate-induced seizures: relevance for neurodegeneration (Tan et al) 2001;50:S18
 - late-onset metachromatic leukodystrophy clinically presenting as isolated peripheral neuropathy: compound heterozygosity for the IVS2+1G→A mutation and a newly identified missense mutation (Thr408Ile) in a Spanish family (Comabella et al) 2001;50:108
 - Lewy bodies and parkinsonism in families with *parkin* mutations (Farrer et al) 2001;50:293
 - mutant α -synuclein that induces familial Parkinson's disease interacts with mitochondrial cytochrome c oxidase (Elkon et al) 2001;50:S17
 - mutation of the doublecortin gene in male patients with double cortex syndrome: somatic mosaicism detected by hair root analysis (Kato et al) 2001;50:547
 - a novel deafness/dystonia peptide gene mutation that causes dystonia in female carriers of Mohr-Tranebjær syndrome (Swerdlow and Wooten) 2001;50:537
 - parkin* mutations in early-onset Parkinson's disease (Hattori et al) 2001;50:S65
 - Pick's disease associated with the novel *tau* gene mutation K369I (Neumann et al) 2001;50:503
 - PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30
- Mutations, frameshift**
- frameshift mutations in the collagen VI gene causes Ullrich's disease (Higuchi et al) 2001;50:261
- Mutations, missense**
- multisystem disorder associated with a missense mutation in the mitochondrial cytochrome *b* gene (Wibrand et al) 2001;50:540
 - progressive mitochondrial disease resulting from a novel missense mutation in the mitochondrial DNA ND3 gene (Taylor et al) 2001;50:104
- Mutations, nonsense**
- early-onset multisystem mitochondrial disorder caused by a nonsense mutation in the mitochondrial DNA *cytochrome c oxidase II* gene (Campos et al) 2001;50:409
- Mutations, splice-site**
- familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117
- Myasthenia**
- diagnosis and management of congenital myasthenia syndrome: potential benefits and safety of chronic 3,4-

diaminopyridine in children (Bowe and Maselli) 2001; 50:S97

Myasthenia gravis

- construction and expression of recombinant antiacetylcholine receptor monoclonal antibodies to study the role of complement activation in experimental autoimmune myasthenia gravis (Kirvan et al) 2001;50:S24
- mature, long-lived CD4⁺ and CD8⁺ T cells are generated by the thymoma in myasthenia gravis (Buckley et al) 2001;50:64

Myelin

- PMP22 transgenic dorsal root ganglia cultures show myelin abnormalities similar to those of human CMT1A (Nobbio et al) 2001;50:47

Myelin basic protein 83-97

- inhibition of binding of myelin basic protein 83-97 to HLA-DR1501 by small organic molecules (Xu et al) 2001;50:S38

Myelin oligodendrocyte glycoprotein

- autoantibodies against conformational epitopes of myelin oligodendrocyte glycoprotein play a major role in disease expression in marmoset experimental allergic encephalomyelitis (von Büdingen et al) 2001;50:S26

Myelinopathia centralis diffusa (vanishing white matter disease)

- myelinopathia centralis diffusa (vanishing white matter disease): evidence of apoptotic oligodendrocyte degeneration in early lesion development (Brück et al) 2001; 50:532

Myelopathy

- dysautonomia in human T-cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis (Alamy et al) 2001;50:681
- increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001; 50:807

Myoclonic epilepsy

- efficacy of zonisamide in progressive myoclonic epilepsy: a case series (Conry et al) 2001;50:S104
- progressive myoclonic epilepsy: an underrecognized childhood disease (Conry et al) 2001;50:S101

Myoclonus

- autosomal dominant guanosine triphosphate cyclohydrolase I deficiency presenting as inherited dopa-responsive myoclonus-dystonia syndrome 2001;50:S116

Myopathy, critical illness

- critical illness myopathy: a new diagnostic array and comparison with neuropathology (Weimer et al) 2001;50: S52

Myopathy, metabolic

- β -enolase deficiency, a new metabolic myopathy of distal glycolysis (Comi et al) 2001;50:202

Myopathy, mitochondrial

- aerobic conditioning in patients with mitochondrial myopathies: physiological, biochemical, and genetic effects (Taivassalo et al) 2001;50:133

Myopathy, myotubular

- diagnosis of X-linked myotubular myopathy by detection of myotubularin (Laporte et al) 2001;50:42

Myopathy, nemaline

- nemaline myopathy: a clinical study of 143 cases (Ryan et al) 2001;50:312

Myopathy, quadriplegic

- sodium channel inactivation in an animal model of acute quadriplegic myopathy (Rich and Pinter) 2001;50:26

Myophosphorylase deficiency

molecular heterogeneity of myophosphorylase deficiency (McArdle's disease): a genotype-phenotype correlation study (Martin et al) 2001;50:574

Myotonic dystrophy

eye movement disorders in myotonic dystrophy type 1 (Osanaï et al) 2001;50:S52

respiratory insufficiency in myotonic dystrophy: a clinico-pathological study (Ono et al) 2001;50:S45

Myotubes

multinucleated skeletal myotubes initiate apoptosis but resist apoptotic propagation and nuclear DNA fragmentation (Singleton et al) 2001;50:S23

Myotubular myopathy

diagnosis of X-linked myotubular myopathy by detection of myotubularin (Laporte et al) 2001;50:42

Myotubularin

diagnosis of X-linked myotubular myopathy by detection of myotubularin (Laporte et al) 2001;50:42

Narcolepsy

low cerebrospinal fluid hypocretin (orexin) and altered energy homeostasis in human narcolepsy (Nishino et al) 2001;50:381

National Institutes of Health (NIH)

correlation between stroke severity and early ischemic lesion volume on diffusion-weighted imaging: comparison of Japan Stroke Scale and NIH Stroke Scale (Terayama et al) 2001;50:S76

Natural killer cells

altered natural killer cell conjugation and lysis precede the development of clinical relapses in multiple sclerosis (Kastrukoff et al) 2001;50:S29

ND3 gene

progressive mitochondrial disease resulting from a novel missense mutation in the mitochondrial DNA ND3 gene (Taylor et al) 2001;50:104

Neglect

so near yet so far: neglect in far or near space depends on tool use (Pegna et al) 2001;50:820

Neglect, representational

pure representational neglect after right thalamic lesion (Ortigue et al) 2001;50:401

Nemaline myopathy

nemaline myopathy: a clinical study of 143 cases (Ryan et al) 2001;50:312

Neocortical seizures, focal

temperature threshold for rapid termination of focal neocortical seizures (Yang and Rothman) 2001;50:S102

Neonatal asphyxia

occurrence of perinatal markers in the diagnosis of term neonatal asphyxia (Dilenge et al) 2001;50:S119

Neonatal encephalopathy

neonatal encephalopathy as a predictor of magnetic resonance imaging abnormalities in term newborns with perinatal depression (Kaufman et al) 2001;50:S119
term neonatal encephalopathy: Prevalence and etiological profile (Dilenge et al) 2001;50:S99

Neonatal stroke

arterial stroke presenting within the neonatal period (Collins et al) 2001;50:S130

magnetic resonance angiography in neonatal stroke demonstrates luxury perfusion at 1 week of life (Hardison et al) 2001;50:S129

Neonates

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

paroxysmal extreme downward gaze in three normal neonates (Lehwald and Morales) 2001;50:S130

seizures are associated with impaired brain metabolism in term newborns with perinatal depression (Ferrer-Rogers et al) 2001;50:S120

Nerve fibers

small fibers involvement in Friedreich's ataxia (Nolano et al) 2001;50:17

Nerve injury

approach to focal neuropathic pain: exploiting local opioid receptors in the nerve-injury microenvironment (Zochodne et al) 2001;50:S20

Neuralgic amyotrophy

atypical presentations of neuralgic amyotrophy in children (Ghosh et al) 2001;50:S126

Neurites

transected neurites, apoptotic neurons, and reduced inflammation in cortical multiple sclerosis lesions (Peterson et al) 2001;50:389

Neuroacanthocytosis

McLeod neuroacanthocytosis: genotype and phenotype (Danek et al) 2001;50:755

Neuroblastoma

is paraneoplastic opsoclonus-ataxia associated with neuroblastoma, a progressive encephalopathy? (Mitchell et al) 2001;50:S111

Neuroborreliosis, Lyme

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

Neurocysticercosis

neurocysticercosis: 469 cases from Los Angeles County Medical Center (Mehdi et al) 2001;50:S79

Neurodegeneration

induction of proinflammatory molecules in mice with amyotrophic lateral sclerosis: no requirement for proapoptotic interleukin-1 β in neurodegeneration (Nguyen et al) 2001;50:630

Neurodevelopment

proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121

Neurodevelopmental predisposition

dementia and neurodevelopmental predisposition: cognitive dysfunction in presymptomatic subjects precedes dementia by decades in frontotemporal dementia (Geschwind et al) 2001;50:741

Neuroepithelial precursor cells

increased sensitivity to human immunodeficiency virus type 1 of maturing human central nervous system neurons in differentiating neuroepithelial precursor cell cultures (McCarthy et al) 2001;50:S33

Neuroepithelial tumor, dysembryoplastic

dysembryoplastic neuroepithelial tumor: a surgically correctable cause of symptomatic localization-related epilepsy (Joshi et al) 2001;50:S107

Neurofibromatosis

T2-weighted hyperintensities in neurofibromatosis type 1: their impact on cognitive function in Chinese children (Goh et al) 2001;50:S112

Neurogenesis

- a nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats (Zhang et al) 2001;50:602

Neuroimmunophilins

- neuroimmunophilins: novel neuroprotective and neuroregenerative targets (Guo et al) 2001;50:6

Neuromyelitis optica

- clinical predictors of the relapsing form of neuromyelitis optica and the time to subsequent respiratory failure (Wingerchuk and Weinshenker) 2001;50:S55

Neuronal ceroid lipofuscinosis

- adult neuronal ceroid lipofuscinosis with palmitoyl-protein thioesterase deficiency: first adult-onset patients of a childhood disease (van Diggelen et al) 2001;50:269

Neuronal ceroid lipofuscinosis, infantile

- possible pharmacological intervention in infantile neuronal ceroid lipofuscinosis (Wisniewski et al) 2001;50:S112

Neurons

- fractalkine and CX₃CR1 in human neurons, astrocytes, microglia, and hybrid neurons (Hatori et al) 2001;50:S25
- multipotential (stem) cells isolated from human umbilical cord blood express markers for neurons and glia (Bicknese et al) 2001;50:S128

Neuropathic pain

- approach to focal neuropathic pain: exploiting local opioid receptors in the nerve-injury microenvironment (Zochodne et al) 2001;50:S20

Neuropathic pain, chronic

- topiramate in the treatment of chronic neuropathic pain: a retrospective chart review (Backonja) 2001;50:S63

Neuropathy

- ganglioside antibody reactivity detected in neuropathy associated with celiac disease (Alaedini et al) 2001;50:S28
- oxaliplatin-induced neuropathy: a prospective study (Reznia et al) 2001;50:S53
- remote gene delivery: a potential new therapy for neuropathy (Boulis et al) 2001;50:S23

Neuropathy, autosomal recessive

- hereditary motor and sensory neuropathy-Russe: new autosomal recessive neuropathy in Balkan Gypsies (Thomas et al) 2001;50:452

Neuropathy, paraneoplastic

- anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

Neuropathy, peripheral

- the Wld^s protein protects against axonal degeneration: a model of gene therapy for peripheral neuropathy (Wang et al) 2001;50:773

Neuropathy, sensory

- genetic study of the mutilated foot rat, an animal model for human hereditary sensory neuropathy (Lee et al) 2001;50:S51

Neuropsychiatric disorders

- effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117

Neuropsychological assessment

- neuropsychological assessment of multiple sclerosis patients: a validation study of an automated, computerized battery (Wilken et al) 2001;50:S57

Neuropsychology

- neuropsychology: an adaptation for a managed care environment (Carey et al) 2001;50:S122

Neurosurgery

- comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31

- status epilepticus in the pediatric neurosurgery population: a prospective study (Leszczyszyn et al) 2001;50:S105

New-Onset Seizure Clinic (NOSC)

- rapid evaluation of new-onset seizures among children: the New-Onset Seizure Clinic (Kremer et al) 2001;50:S103

New York MS Consortium

- multiple sclerosis characteristics in African-American patients in the New York State MS Consortium (Weinstock-Guttman et al) 2001;50:S58

Newborns; see Neonates

Nicotinic acetylcholine receptors

- ganglionic acetylcholine nicotinic receptor $\alpha 5$ subunits in modulation of heart rate (Wang et al) 2001;50:S64
- nicotinic acetylcholine receptor subunits $\alpha 5$ and $\beta 4$ in ileal contractile response to ganglionic agonists (Wang et al) 2001;50:S35

Niemann-Pick disease

- neurological, psychiatric, and neuropsychological evaluation of adult Niemann-Pick C patients combined with F18-fluorodeoxy-glucose positron emission tomography neuroimaging (Kluenemann et al) 2001;50:S61

Nigrostriatal collaterals

- nigrostriatal collaterals to thalamus degenerate in parkinsonian animal models (Freeman et al) 2001;50:321

Nitric oxide

- anti-GM1 antibody activates NF- κ B and increases nitric oxide secretion in cultured endothelial cells forming blood-nerve barrier (Kanda et al) 2001;50:S22
- intracellular calcium modulators reduce motoneuronal viability expressing mutated copper/zinc superoxide dismutase through nitric oxide/guanylyl cyclase-cGMP cascade (Lee et al) 2001;50:S45
- nitric oxide modulates caspase activity in glutamate-induced neuronal death (Pettigrew and Holtz) 2001;50:S40
- regional cerebral hyperperfusion and nitric oxide pathway dysregulation in Fabry disease reversed by enzyme replacement therapy (Moore et al) 2001;50:S12

Nitric oxide donors

- a nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats (Zhang et al) 2001;50:602

Nitric oxide synthase

- cellular compartmentalization of the phosphorylated eukaryotic translation-initiation factor 2 α and nitric oxide synthase in temporal lobe epilepsy resulting from hippocampal sclerosis (Watson et al) 2001;50:S19

North American families

- dentatorubropallidolysian atrophy in North American families (Thomas and Jankovic) 2001;50:S65

Northern Manhattan Stroke Study

- white blood cell count predicts outcome after stroke: the Northern Manhattan Stroke Study (Elkind et al) 2001;50:S73

NSLIJ Health System

- variability in stroke outcome in the NSLIJ Health System (Halperin et al) 2001;50:S73

Nuclear factor- κ B

- anti-GM1 antibody activates NF- κ B and increases nitric oxide secretion in cultured endothelial cells forming blood-nerve barrier (Kanda et al) 2001;50:S22
- serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

Nursing homes

- predictors of nursing home admission after stroke: results from a nationally representative sample of US elderly (Hickenbottom et al) 2001;50:S73

Nystagmus

- convergence retraction nystagmus: a disorder of vergence? (Rambold et al) 2001;50:677

Obituaries

- Clarence Joseph Gibbs, Jr, 1924–2001 (Johnson) 2001;50:556
- Maurice Victor: 1920–2002 (Johnson) 2001;50:831

Observation

- parental observations of infants subsequently diagnosed with kernicterus (Dixon and Shapiro) 2001;50:S120

Occipital lobe seizures

- diagnostic dilemma in patients with occipital lobe seizures (Mateo et al) 2001;50:S19

Occlusion

- imaging appearance of the symptomatic perforating artery in patients with lacunar infarction: occlusion or other vascular pathology (Wardlaw et al) 2001;50:208

Oct-6/tst-1/SCIP

- POU transcription factor Oct-6/tst-1/SCIP and Schwann cell differentiation (Yum and Scherer) 2001;50:S128

Ocular compression

- utility of ocular compression in the diagnosis of breath-holding spells and syncope (Khurana et al) 2001;50:S102

Ocular flutter

- ocular flutter associated with a localized lesion in the paramedian pontine reticular formation (Schon et al) 2001;50:413

Ocular motor apraxia

- early-onset ataxia associated with ocular motor apraxia and hypoalbuminemia, a variant form of Friedreich's ataxia: clinical and genetic analyses of 20 Japanese families (Yokoseki et al) 2001;50:S9

Oculomotor system

- changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121

Olfaction

- subclinical dopaminergic dysfunction in asymptomatic Parkinson's disease patients' relatives with a decreased sense of smell (Berendse et al) 2001;50:34

Olfactory threshold

- quantitative olfactory threshold measurement in subjects with a family history of Alzheimer's disease (Stewart et al) 2001;50:S46

Oligodendrocytes

- calcium-permeable AMPA receptors present in developing oligodendrocytes in a rodent model of periventricular leukomalacia (Follett et al) 2001;50:S98

- multiple sclerosis: altered glutamate homeostasis in lesions correlates with oligodendrocyte and axonal damage (Werner et al) 2001;50:169

- myelinopathia centralis diffusa (vanishing white matter disease): evidence of apoptotic oligodendrocyte degeneration in early lesion development (Brück et al) 2001;50:532

Oligodendrogliomas

- localization of the neuronal class III β -tubulin in oligodendrogliomas: a marker for anaplastic potential (Katsos et al) 2001;50:S110

- a phase 1-2 trial of irinotecan (Camptosar) in the treatment of recurrent intracranial oligodendrogliomas 2001;50:S59

Olyradiculoneuropathy, chronic inflammatory demyelinating

- randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Open heart surgery

- long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94

Ophthalmoplegia, external

- external ophthalmoplegia with severe progressive multiorgan involvement associated with the mtDNA A3243G mutation (Hansrote et al) 2001;50:S46

Opioid receptors

- approach to focal neuropathic pain: exploiting local opioid receptors in the nerve-injury microenvironment (Zochodne et al) 2001;50:S20

Optic neuritis

- cytokine profiles in multiple sclerosis and optic neuritis: elevation of plasma interleukin-12 in acute relapse of multiple sclerosis (Gregori et al) 2001;50:S55

Orexin

- low cerebrospinal fluid hypocretin (orexin) and altered energy homeostasis in human narcolepsy (Nishino et al) 2001;50:381

Ovarian hormones

- follicular-phase changes in the cortical excitability of healthy women (Wassermann et al) 2001;50:S19

Ovarian hyperstimulation syndrome

- ovarian hyperstimulation syndrome with ischemic stroke due to an intracardiac thrombus (Worrell et al) 2001;50:S43

Oxaliplatin-induced neuropathy

- oxaliplatin-induced neuropathy: a prospective study (Reznia et al) 2001;50:S53

Oxcarbazepine

- multicenter study of oxcarbazepine pharmacokinetics and tolerability in children with refractory epilepsy (Dulac et al) 2001;50:S104

P0 protein

- P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001;50:286

P84/SIRP

- identification of P84/SIRP-associated molecules in the brain (Narayanan et al) 2001;50:S128

Paced finger tapping

- functional magnetic resonance imaging study of paced finger tapping in children who are good or poor readers (Rivkin et al) 2001;50:S94

Pain; see also Headache

revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127

Pain, chronic neuropathic

topiramate in the treatment of chronic neuropathic pain: a retrospective chart review (Backonja) 2001;50:S63

Pain, focal neuropathic

approach to focal neuropathic pain: exploiting local opioid receptors in the nerve-injury microenvironment (Zochodne et al) 2001;50:S20

Pain measurement

validation of the 11-point pain scale in the measurement of migraine headache pain (Pathak et al) 2001;50:S75

Painful polyneuropathy

lamotrigine for painful polyneuropathy: randomized, placebo-controlled, double-blind parallel-group pilot study (Hart et al) 2001;50:S35

Palmitoyl-protein thioesterase deficiency

adult neuronal ceroid lipofuscinosis with palmitoyl-protein thioesterase deficiency: first adult-onset patients of a childhood disease (van Diggelen et al) 2001;50:269

Paralysis

spread of paralytic effects of BoNT-A versus BoNT-B in juvenile cynomolgus monkeys (Arezzo et al) 2001;50:S117

Paralysis, hypokalemic periodic

sodium channel inactivation defects are associated with acetazolamide-exacerbated hypokalemic periodic paralysis (Bendahhou et al) 2001;50:417

Paramedian pontine reticular formation lesions

ocular flutter associated with a localized lesion in the paramedian pontine reticular formation (Schon et al) 2001;50:413

Paraneoplastic immunity

molecular and clinical diversity in paraneoplastic immunity to Ma proteins (Rosenfeld et al) 2001;50:339

Paraneoplastic myelitis/motor neuron disease

corticospinal tract dysfunction, bilateral aducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60

Paraneoplastic neuropathy

anti-Hu antibodies associated with paraneoplastic neuropathy and encephalopathy in the setting of Merkel cell carcinoma (Greenlee et al) 2001;50:S60

Paraneoplastic opsoclonus-ataxia

is paraneoplastic opsoclonus-ataxia associated with neuroblastoma, a progressive encephalopathy? (Mitchell et al) 2001;50:S111

Parental observations

parental observations of infants subsequently diagnosed with kernicterus (Dixon and Shapiro) 2001;50:S120

Parietal neglect

abnormal visual search in parietal neglect: a defect of spatial working memory (Kennard et al) 2001;50:S39

Parkin

parkin is associated with the synaptic vesicles (Kubo et al) 2001;50:S50

parkin mutations in early-onset Parkinson's disease (Hattori et al) 2001;50:S65

Parkin-associated protein

isolation and characterization of Parkin-associated protein (Osawa et al) 2001;50:S18

parkin gene

Lewy bodies and parkinsonism in families with *parkin* mutations (Farrer et al) 2001;50:293

parkin and Parkinson's: more than homonymy? (Corti and Brice) 2001;50:283 (Editorial)

Parkinsonism

familial frontotemporal dementia and parkinsonism with a novel mutation at the intron 10+11-splice site in the *tau* gene (Miyamoto et al) 2001;50:117

Lewy bodies and parkinsonism in families with *parkin* mutations (Farrer et al) 2001;50:293

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

nigrostriatal collaterals to thalamus degenerate in parkinsonian animal models (Freeman et al) 2001;50:321

spinocerebellar ataxia type 2 presenting as familial levodopa-responsive parkinsonism (Shan et al) 2001;50:812

Parkinson's disease, analysis

clinical correlates of action tremor in Parkinson's disease (Louis et al) 2001;50:S50

Helicobacter pylori-induced reduction of acute levodopa absorption in Parkinson's disease patients (Pierantozzi et al) 2001;50:686 (Letter)

increased concentrations of a novel compound, 1-acetyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, in Parkinsonian brains (Deng et al) 2001;50:S20

involvement of the human subthalamic nucleus in movement preparation (Paradiso et al) 2001;50:S21

learning by execution or imagery in Parkinson's disease (Inzelberg et al) 2001;50:S11

metabolic enzyme expression in dopaminergic neurons in Parkinson's disease: an in situ hybridization study (Kingsbury et al) 2001;50:142

motor impairment in normal aging, possible and definite Parkinson's disease: longitudinal evaluation of a cohort of prospective brain donors (Adler et al) 2001;50:S49

prospective study of lateralized tremor and its relationship to cognitive decline in Parkinson's disease (Grossman et al) 2001;50:S22

subclinical dopaminergic dysfunction in asymptomatic Parkinson's disease patients' relatives with a decreased sense of smell (Berendse et al) 2001;50:34

Parkinson's disease, drug therapy

isatin, an endogenous monoamine oxidase inhibitor, as well as deprenyl improves bradykinesia and dopamine level in a rat model of Parkinson's disease induced by Japanese encephalitis virus (Ogata et al) 2001;50:S32

pharmacodynamic modeling of oral levodopa in Parkinson's disease (Contin et al) 2001;50:687 (Letter)

Parkinson's disease, elderly onset

Parkinson's disease with elderly onset: case-control study of clinical expression and management (Diederich et al) 2001;50:S49

Parkinson's disease, epidemiology

cigarette smoking and the incidence of Parkinson's disease in two prospective studies (Hernán et al) 2001;50:780

Parkinson's disease, familial

mutant α -synuclein that induces familial Parkinson's disease interacts with mitochondrial cytochrome c oxidase (Elkon et al) 2001;50:S17

Parkinson's disease, follow-up

follow-up study of Parkinson's disease using proton magnetic resonance spectroscopy (Terakawa et al) 2001;50:S48

Parkinson's disease, genetics

case-control study of the extended tau gene haplotype in Parkinson's disease (Maraganore et al) 2001;50:658

- parkin* and Parkinson's: more than homonymy? (Corti and Brice) 2001;50:283 (Editorial)
- parkin* mutations in early-onset Parkinson's disease (Hattori et al) 2001;50:S65
- Parkinson's disease, hemi-**
reduced B-CIT striatal uptake in hemi-Parkinson's disease patients with and without tremor (Eisa et al) 2001;50:S21
- Parkinson's disease, idiopathic**
peripherally and centrally mediated dysautonomia in idiopathic Parkinson's disease compared with multiple system atrophy (Horn et al) 2001;50:S36
- Parkinson's disease, management**
wheeled and standard walkers in Parkinson's disease patients with gait freezing (Cubo et al) 2001;50:S50
- Parkinson's disease, risk**
prospective study of caffeine consumption and risk of Parkinson's disease in men and women (Ascherio et al) 2001;50:56
- Parkinson's disease, surgery**
metabolic changes following subthalamotomy for advanced Parkinson's disease (Su et al) 2001;50:514
stereotaxic subthalamotomy in the treatment of advanced Parkinson's disease: 12-month follow-up (Su et al) 2001;50:S48
- Parkinson's disease, therapy**
blinded positron emission tomography study of dopamine cell implantation for Parkinson's disease (Nakamura et al) 2001;50:181
coenzyme Q₁₀ prevents dopaminergic damage in a rat model of Parkinson's disease (Gilgun-Sherki et al) 2001;50:S18
constrictive pericarditis in Parkinson's disease patients treated with pergolide (Tolar et al) 2001;50:S32
quetiapine in the treatment of psychosis in patients with Parkinson's disease and dementia (Lewy body disease variant) (Parsa et al) 2001;50:S77
- Paroxysmal kinesigenic dyskinesia**
genetic studies in a new family with paroxysmal kinesigenic dyskinesia and migraine (Alper et al) 2001;50:S115
- Partial epilepsy; see Epilepsy, partial**
- Patent foramen ovale**
results of percutaneous patent foramen ovale closure with prospective neurologist follow-up (Zhang et al) 2001;50:S76
- Paternal mosaicism**
Glut-1 deficiency syndrome: R333W genotype and paternal mosaicism (Wang et al) 2001;50:S124
- Pediatrics; see also Children; Infants**
children's ibuprofen suspension for pediatric migraine (Lewis et al) 2001;50:S93
efficacy of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Dunn et al) 2001;50:S96
hospital-based pediatric neurology services in Canada (Ronen and Meaney) 2001;50:S131
ketogenic diet in pediatric epilepsy patients with gastrostomy feeding (La Vega-Talbott et al) 2001;50:S102
levetiracetam: pediatric experience (Ng and Wheless) 2001;50:S105
long-term tolerability of lamotrigine (Lamictal) in pediatric patients (Gilman et al) 2001;50:S92
a new scale to assess the impact of pediatric epilepsy and concomitant behavioral, cognitive, and neurological handicaps on the family and child: impact of Childhood Neurological Handicap Scale (Camfield et al) 2001;50:S104
outcome measures for pediatric muscular atrophy (Iannaccone and the AmSTART Group) 2001;50:S127
pediatric migraine equivalents: occurrence and clinical features in ambulatory practice (Al-Twaijri and Shevell) 2001;50:S109
safety of atomoxetine in placebo-controlled pediatric attention-deficit hyperactivity disorder trials (Wernicke et al) 2001;50:S123
spread of paralytic effects of BoNT-A versus BoNT-B in juvenile cynomolgus monkeys (Arezzo et al) 2001;50:S117
status epilepticus in the pediatric neurosurgery population: a prospective study (Leszczyszyn et al) 2001;50:S105
vagus nerve stimulation for the treatment of pediatric epilepsy (Hosain et al) 2001;50:S92
- Pelizaeus-Merzbacher disease**
compensating for central nervous system dysmyelination: females with a proteolipid protein gene duplication and sustained clinical improvement (Inoue et al) 2001;50:747
- Percutaneous patent foramen ovale closure**
results of percutaneous patent foramen ovale closure with prospective neurologist follow-up (Zhang et al) 2001;50:S76
- Perforating arteries**
imaging appearance of the symptomatic perforating artery in patients with lacunar infarction: occlusion or other vascular pathology (Wardlaw et al) 2001;50:208
- Pergolide**
constrictive pericarditis in Parkinson's disease patients treated with pergolide (Tolar et al) 2001;50:S32
- Pericarditis, constrictive**
constrictive pericarditis in Parkinson's disease patients treated with pergolide (Tolar et al) 2001;50:S32
- Perinatal depression**
neonatal encephalopathy as a predictor of magnetic resonance imaging abnormalities in term newborns with perinatal depression (Kaufman et al) 2001;50:S119
proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121
seizures are associated with impaired brain metabolism in term newborns with perinatal depression (Ferrer-Rogers et al) 2001;50:S120
- Perinatal seizures**
topiramate blocks perinatal hypoxia-induced seizures in rat pups (Koh and Jensen) 2001;50:366
- Perinatal stroke**
presumed pre- or perinatal arterial ischemic stroke: risk factors and outcomes (Golomb et al) 2001;50:163
- Periodic paralysis, hypokalemic**
sodium channel inactivation defects are associated with acetazolamide-exacerbated hypokalemic periodic paralysis (Bendahhou et al) 2001;50:417
- Peripheral blood**
cytokine profiles in peripheral blood from multiple sclerosis patients (Fernández et al) 2001;50:S58
- Peripheral myelin protein 22 (PMP22) gene**
PMP22 transgenic dorsal root ganglia cultures show myelin abnormalities similar to those of human CMT1A (Nobbio et al) 2001;50:47

Peripheral nervous system

central and peripheral nervous system infection, immunity, and inflammation in the NHP model of Lyme borreliosis (Pachner et al) 2001;50:330

Peripheral neuropathy

late-onset metachromatic leukodystrophy clinically presenting as isolated peripheral neuropathy: compound heterozygosity for the IVS2+1G→A mutation and a newly identified missense mutation (Thr408Ile) in a Spanish family (Comabella et al) 2001;50:108

the Wld^s protein protects against axonal degeneration: a model of gene therapy for peripheral neuropathy (Wang et al) 2001;50:773

Periventricular leukomalacia

calcium-permeable AMPA receptors present in developing oligodendrocytes in a rodent model of periventricular leukomalacia (Follett et al) 2001;50:S98

transfontanel ultrasonography fails to diagnose periventricular leukomalacia (Miller et al) 2001;50:S119

Peroxisome proliferator-activated receptor-γ

amelioration of experimental autoimmune encephalomyelitis in C57BL/6 mice by an agonist of peroxisome proliferator-activated receptor-γ (Niino et al) 2001;50:S27

peroxisome proliferator-activated receptor-γ agonists prevent experimental autoimmune encephalomyelitis (Feinstein et al) 2001;50:S56

Phenotype

Glut-1 deficiency syndrome: a severe phenotype associated with compound heterozygosity in trans (Wang et al) 2001;50:S125

Glut-1 deficiency syndrome: phenotypic variability in cognition and behavior (Hinton et al) 2001;50:S124

intrafamilial phenotypic variability of the DYT1 dystonia: from asymptomatic TOR1A gene carrier status to dystonic storm (Opal et al) 2001;50:S21

McLeod neuroacanthocytosis: genotype and phenotype (Daneck et al) 2001;50:755

molecular heterogeneity of myophosphorylase deficiency (McArdle's disease): a genotype-phenotype correlation study (Martin et al) 2001;50:574

Phenylalanine

individual blood-brain barrier phenylalanine transport determines clinical outcome in phenylketonuria (Weglage et al) 2001;50:463

Phenylketonuria

individual blood-brain barrier phenylalanine transport determines clinical outcome in phenylketonuria (Weglage et al) 2001;50:463

Photosensitive epilepsy

stimulus-induced MEG gamma band synchronization in photosensitive epilepsy (Parra et al) 2001;50:S47

Physician visits

which children with initial febrile seizures are associated with subsequent increased physician visits? It's "All in the Family" (Gordon et al) 2001;50:S103

Physicians

discrepancy between physician knowledge and practices in the evaluation of coagulopathies in ischemic stroke patients (Bushnell and Goldstein) 2001;50:S72

physician attitudes about risk reduction: the knowledge-effectiveness divide (Castaldo et al) 2001;50:S72

Pick's disease

Pick's disease associated with the novel *tau* gene mutation K369I (Neumann et al) 2001;50:S03

α-synuclein-containing Lewy bodies in Pick's disease: epitope mapping is similar regardless of the underlying disease (Lippa et al) 2001;50:S15

Platelets

mean platelet component to measure platelet activation in ischemic stroke (Ryu et al) 2001;50:S42

Pneumonia

the effect of pneumonia on 30-day mortality for Medicare patients hospitalized for acute stroke (Katzan et al) 2001;50:S74

Polish families

linkage analysis of three new large families (two Polish and one Canadian) with levodopa-responsive parkinsonism (Wszolek et al) 2001;50:S22

Polyamines

increased hair polyamine levels in patients with Alzheimer's disease (Choi et al) 2001;50:128 (Letter)

Polyneuropathy, distal symmetrical

epidermal nerve fiber density, quantitative sensory testing, and virological and immunological measures as predictors of symptomatic human immunodeficiency virus-associated distal symmetrical polyneuropathy (Herrmann et al) 2001;50:S33

Polyneuropathy, painful

lamotrigine for painful polyneuropathy: randomized, placebo-controlled, double-blind parallel-group pilot study (Hart et al) 2001;50:S35

Poly(ADP-ribose) polymerase

citricoline inhibits expression of procaspases and PARP in a model of focal cerebral ischemia (Secades et al) 2001;50:S13

Polyradiculoneuropathy, chronic inflammatory demyelinating

chronic inflammatory demyelinating polyradiculoneuropathy (Hughes) 2001;50:282 (Editorial)

P0 protein is a target antigen in chronic inflammatory demyelinating polyradiculoneuropathy (Yan et al) 2001;50:286

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Polyradiculopathy

postirradiation polyradiculopathy mimics leptomeningeal tumor on magnetic resonance imaging (Hsia and Peterson) 2001;50:S60

Pontine micturition area

depletion of corticotropin-releasing factor neurons in the pontine micturition area in multiple system atrophy (Benarroch and Schmeichel) 2001;50:640

Portuguese patients

clinical and molecular studies in Spanish and Portuguese cavernous angioma (Lucas et al) 2001;50:S50

Positron emission tomography

blinded positron emission tomography study of dopamine cell implantation for Parkinson's disease (Nakamura et al) 2001;50:181

neurological, psychiatric, and neuropsychological evaluation of adult Niemann-Pick C patients combined with F18-fluorodeoxy-glucose positron emission tomography neuroimaging (Kluenemann et al) 2001;50:S61

plasticity of language networks in patients with brain tumors: a positron emission tomography activation study (Thiel et al) 2001;50:620

positron emission tomography to determine language dominance in children: a comparison with the Wada test (Kaplan et al) 2001;50:S106

Posterior fossa disorders

bilateral high-frequency synchronous discharges associated with posterior fossa disorders (Manto and Moore) 2001;50:825 (Letter)

Postural tremor

postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54

Potassium channels

potassium channel antibodies in two patients with reversible limbic encephalitis (Buckley et al) 2001;50:73

Prednisolone

randomized controlled trial of intravenous immunoglobulin versus oral prednisolone in chronic inflammatory demyelinating polyradiculoneuropathy (Hughes et al) 2001;50:195

Premature infants

magnetic resonance imaging of the premature infant at term: qualitative abnormalities and their perinatal correlates (Inder et al) 2001;50:S121

predictors and correlates of microcephaly at school age among premature infants (Chiriboga et al) 2001;50:S99

Prenatal stroke

presumed pre- or perinatal arterial ischemic stroke: risk factors and outcomes (Golomb et al) 2001;50:163

Prion-protein gene (PRNP)

increased incidence of sporadic Creutzfeldt-Jakob disease on the island of Crete associated with a high rate of PRNP 129-methionine homozygosity in the local population (Plaitakis et al) 2001;50:227

proportions of coding polymorphisms at codon 129 of the prion protein gene in a healthy Irish population (McGuigan et al) 2001;50:S51

sporadic Creutzfeldt-Jakob disease in a young Dutch valine homozygote: atypical molecular phenotype (Head et al) 2001;50:258

Procaspase

citicoline inhibits expression of procaspases and PARP in a model of focal cerebral ischemia (Secades et al) 2001;50:S13

Proinflammatory molecules

induction of proinflammatory molecules in mice with amyotrophic lateral sclerosis: no requirement for proapoptotic interleukin-1 β in neurodegeneration (Nguyen et al) 2001;50:630

Protein 4.1 tumor suppressors

losses of protein 4.1 tumor suppressors are critical early events in meningioma development (Gutman et al) 2001;50:S30

Proteolipid protein gene

compensating for central nervous system dysmyelination: females with a proteolipid protein gene duplication and sustained clinical improvement (Inoue et al) 2001;50:747

Proton magnetic resonance spectroscopy

follow-up study of Parkinson's disease using proton magnetic resonance spectroscopy (Terakawa et al) 2001;50:S48

proton magnetic resonance spectroscopy in children with posttraumatic diffuse axonal injury (Ashwal et al) 2001;50:S93

proton magnetic resonance spectroscopy of brain metabolites in galactosemia (Wang et al) 2001;50:266

proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121

use of proton magnetic resonance spectroscopy to assess neurological outcome in children undergoing profound hypothermic cardiopulmonary bypass (Ashwal et al) 2001;50:S93

Prozac

imaging stroke recovery: lessons from Prozac (Detre) 2001;50:697 (Editorial)

Pseudomonas

antibodies to *Acinetobacter* and *Pseudomonas* are present in bovine spongiform encephalopathy (Wilson et al) 2001;50:S59

Pseudotumor cerebri

pseudotumor cerebri without papilledema in children (Said and Libenson) 2001;50:S109

Psychiatric symptoms

association between ApoE genotype and psychiatric symptoms in Alzheimer's disease (Scarmeas et al) 2001;50:S43

longitudinal study of cognitive function, psychiatric aspects and quality of life in multiple sclerosis relapsing-remitting patients (Donatella et al) 2001;50:S59

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001;50:S38

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39

Psychosis

quetiapine in the treatment of psychosis in patients with Parkinson's disease and dementia (Lewy body disease variant) (Parsa et al) 2001;50:S77

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: agitation, aggression, and psychosis (Lopez et al) 2001;50:S38

PTPRC (CD45)

PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30

Purkinje cells

decreased immunoreactivity of calbindin-D28K in cerebellar Purkinje cells of children with hypoxic-ischemic encephalopathy (Legido et al) 2001;50:S129

Quadruplegic myopathy

sodium channel inactivation in an animal model of acute quadruplegic myopathy (Rich and Pinter) 2001;50:26

Quality measurement

increased mortality for stroke patients hospitalized during an era of competing demands: implications for quality measurement (Cebul et al) 2001;50:S71

Quality of life

advancing quality-of-life measurement: testing the claims of Rasch item analysis (Hobart et al) 2001;50:S69

aggressive case management in the Lowering of Vascular Atherosclerotic Risk Study improves quality of life for patients who have suffered ischemic events (Masiado et al) 2001;50:S78

are proxy ratings valid for assessing quality of life after subarachnoid hemorrhage? (Ostapovich et al) 2001;50:S78

cognitive dysfunction and quality of life after subarachnoid hemorrhage (Mayer et al) 2001;50:S78

- effect of botulinum toxin type A on health-related quality of life in stroke patients with spasticity (Kozma et al) 2001;50:S78
- longitudinal study of cognitive function, psychiatric aspects and quality of life in multiple sclerosis relapsing-remitting patients (Donatella et al) 2001;50:S59
- a novel validated self-reporting health-related quality-of-life measure for children with epilepsy (Ronen et al) 2001;50:S69
- quality of life following stroke: insights from qualitative research (Clarke and Black) 2001;50:S77
- Quantitative electric tomography**
quantitative electroencephalographic tomography for assessing acute stroke (Machado et al) 2001;50:S42
- Quantitative sensory testing**
epidermal nerve fiber density, quantitative sensory testing, and virological and immunological measures as predictors of symptomatic human immunodeficiency virus-associated distal symmetrical polyneuropathy (Herrmann et al) 2001;50:S33
- Quetiapine**
quetiapine in the treatment of psychosis in patients with Parkinson's disease and dementia (Lewy body disease variant) (Parsa et al) 2001;50:S77
- Radiation**
radiation-induced atypical meningiomas (Allen et al) 2001;50:S110
- Radiation therapy**
effect of therapeutic ionizing radiation on the human brain (Steen et al) 2001;50:S78
- Radiosurgery, stereotactic**
comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31
- Rapid response teams**
the impact of a rapid response team on tissue plasminogen activator administration for acute stroke in a community hospital (Castaldo et al) 2001;50:S73
- Rasch item analysis**
advancing quality-of-life measurement: testing the claims of Rasch item analysis (Hobart et al) 2001;50:S69
- Rasmussen's syndrome**
altered expression of NMDA receptor subunit proteins and glial glutamate transporter protein in a case of Rasmussen's syndrome (Lachhwani et al) 2001;50:S101
- Reflex sympathetic dystrophy**
revisiting the definition of complex regional pain syndrome type I (reflex sympathetic dystrophy) in children and adolescents (Lebel) 2001;50:S127
- Reperfusion injury**
erythropoietin prevents retinal neuronal cell death following ischemia-reperfusion injury in rats (Rosenbaum et al) 2001;50:S13
- tissue inhibitor of metalloproteinase-3 is associated with neuronal apoptosis in reperfusion injury in rat brain (Rosenberg et al) 2001;50:S12
- Replantation, hand**
reorganization of human motor cortex after hand replantation (Röricht et al) 2001;50:S240
- Representational neglect**
pure representational neglect after right thalamic lesion (Ortigue et al) 2001;50:401
- Research; see also specific studies, trials**
microarrays, markers of disease, and the myth of "nonhypothesis-driven" research (Greenberg) 2001;50:695 (Editorial)
- Respiratory chain**
increase in the concentration of respiratory chain components as predictors of alterations in the electron flow in patients with mitochondrial disorders (Salganicoff et al) 2001;50:S114
- Respiratory failure**
clinical predictors of the relapsing form of neuromyelitis optica and the time to subsequent respiratory failure (Wingerchuk and Weinshenker) 2001;50:S55
- Respiratory insufficiency**
respiratory insufficiency in myotonic dystrophy: a clinicopathological study (Ono et al) 2001;50:S45
- Retinal necrosis**
herpes simplex virus type 1-induced acute retinal necrosis (Numazaki and Itoh) 2001;50:273 (Letter)
- Retinal neuronal cell death**
erythropoietin prevents retinal neuronal cell death following ischemia-reperfusion injury in rats (Rosenbaum et al) 2001;50:S13
- Retroviruses**
endogenous retroviruses and multiple sclerosis (Kolson) 2001;50:429 (Editorial)
- monocyte activation and differentiation augment human endogenous retrovirus expression: implications for inflammatory brain diseases (Johnston et al) 2001;50:434
- Rett syndrome**
classic Rett syndrome in a boy as a result of somatic mosaicism for a *MECP2* mutation (Armstrong et al) 2001;50:692 (Letter)
- Rhabdoid tumors**
atypical teratoid/rhabdoid tumors: consensus from a nationwide review (Packer et al) 2001;50:S111
- Right thalamic lesions**
pure representational neglect after right thalamic lesion (Ortigue et al) 2001;50:401
- Rigidity**
attention and cognition in bradykinetic-rigid syndromes: an event-related potential study (Pirtošek et al) 2001;50:567
- Risk-adjustment models**
development and independent validation of prospective mortality risk-adjustment models for Alzheimer's disease and related dementias based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S75
- development and independent validation of prospective mortality risk-adjustment models for incident cases of ischemic and hemorrhagic stroke based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S70
- Risk reduction**
physician attitudes about risk reduction: the knowledge-effectiveness divide (Castaldo et al) 2001;50:S72
- Rivastigmine**
behavioral and cognitive benefits of rivastigmine in nursing home patients with Alzheimer's disease and related dementias: a 26-week follow-up (Etemad et al) 2001;50:S44
- comparison of adverse reaction reports for rivastigmine and donepezil using the FDA's Adverse Reporting System (Rizzo et al) 2001;50:S76
- Sardinians**
multiple sclerosis occurrence in relatives of Sardinian multiple sclerosis patients (Pugliatti et al) 2001;50:S51

Schwann cells

POU transcription factor Oct-6/tst-1/SCIP and Schwann cell differentiation (Yum and Scherer) 2001;50:S128

SCIP

POU transcription factor Oct-6/tst-1/SCIP and Schwann cell differentiation (Yum and Scherer) 2001;50:S128

Screening

utility of screening for inborn metabolic errors in children less than 2 years of age with seizures (Aburahma and Griebel) 2001;50:S107

Seasons

effects of seasons on magnetic resonance imaging-measured disease activity in patients with multiple sclerosis (Tremlett) 2001;50:422 (Letter)

Seizures

blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699

hiccups start, seizures cease (Ikeda et al) 2001;50:128 (Letter)

induction of mutant "ubiquitin + 1" in adult rat brain following kainate-induced seizures: relevance for neurodegeneration (Tan et al) 2001;50:S18

seizures are associated with impaired brain metabolism in term newborns with perinatal depression (Ferrer-Rogers et al) 2001;50:S120

utility of screening for inborn metabolic errors in children less than 2 years of age with seizures (Aburahma and Griebel) 2001;50:S107

Seizures, electrical convulsive

effect of electrical convulsive seizure in purine salvage reaction in rat brain (Lee et al) 2001;50:S47

Seizures, febrile

which children with initial febrile seizures are associated with subsequent increased physician visits? It's "All in the Family" (Gordon et al) 2001;50:S103

whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Seizures, hypoxia-induced

topiramate blocks perinatal hypoxia-induced seizures in rat pups (Koh and Jensen) 2001;50:366

topiramate suppresses seizures induced by hypoxia ischemia in immature rats (Koh and Jensen) 2001;50:S108

Seizures, neocortical

temperature threshold for rapid termination of focal neocortical seizures (Yang and Rothman) 2001;50:S102

Seizures, new-onset

diagnostic evaluation in new-onset seizure patients (Acosta et al) 2001;50:S107

rapid evaluation of new-onset seizures among children: the New-Onset Seizure Clinic (Kremer et al) 2001;50:S103

Seizures, occipital lobe

diagnostic dilemma in patients with occipital lobe seizures (Mateo et al) 2001;50:S19

Seizures, postoperative

frequency and significance of acute postoperative seizures in children (Park et al) 2001;50:S92

Self-injurious behavior

self-injurious behavior in children with severe cognitive and neurological impairments (Camfield et al) 2001;50:S123

Semantic deficits

hypoperfusion of Wernicke's area predicts severity of semantic deficit in acute stroke (Hillis et al) 2001;50:S61

Sensory function

reorganization of somatic sensory function in the human thalamus after stroke (Ohara and Lenz) 2001;50:800

Sensory loss, spinal

neurophysiological findings in patients with isolated spinal sensory loss (Smith and Bosch) 2001;50:S23

Sensory neuropathy, hereditary

genetic study of the multilined foot rat, an animal model for human hereditary sensory neuropathy (Lee et al) 2001;50:S51

Serotonin (5-HT₁) receptors

evidence for postjunctional serotonin (5-HT₁) receptors in the trigeminocervical complex (Goadsby et al) 2001;50:804

Serotonergic system

alteration of the serotonergic system in fatal familial insomnia (Cortelli et al) 2001;50:421 (Letter)

Sexual dimorphism

sexual dimorphism and developmental regulation of substantia nigra function (Velíšková and Moshé) 2001;50:596

Sialorrhea

treatment of sialorrhea with botulinum toxin A in patients with cerebral palsy (Tilton and Suskind) 2001;50:S118

Siblings

concerns and resources of siblings and children with brain tumors (Freeman et al) 2001;50:S110

Sickness Impact Profile (SIP)

are proxy ratings valid for assessing quality of life after subarachnoid hemorrhage? (Ostapovich et al) 2001;50:S78

Single nucleotide polymorphisms

new single nucleotide polymorphisms in the MCP-1 promoter region in patients with carotid atherosclerosis (Nyquist et al) 2001;50:S66

Single-photon emission computed tomography

comparing pathological, clinical, and single-photon emission computed tomography diagnoses in early dementia (Harrell et al) 2001;50:S17

reduced B-CIT striatal uptake in hemi-Parkinson's disease patients with and without tremor (Eisa et al) 2001;50:S21

SIRP

identification of P84/SIRP-associated molecules in the brain (Narayanan et al) 2001;50:S128

Skeletal myotubes

multinucleated skeletal myotubes initiate apoptosis but resist apoptotic propagation and nuclear DNA fragmentation (Singleton et al) 2001;50:S23

Sleep

an electroencephalographic study of clinically unresponsive patients (Cohn and Jayam-Trouth) 2001;50:S62

sleep studies in children with partial epilepsy (Nunes et al) 2001;50:S104

Sleep apnea syndrome

epilepsy and sleep apnea syndrome (Ales and Potolicchio) 2001;50:S47

Sleep disorders

distinctive interaction between long-term memory and daytime somnolence in cognitively normal apolipoprotein E $\epsilon 4/4$ homozygotes (Caselli et al) 2001;50:S16

relationship between psychiatric symptoms and severity of dementia in patients with probable Alzheimer's disease: depression, apathy, and sleep disorders (Lopez et al) 2001;50:S39

SLI381

randomized, controlled trial of a once-daily amphetamine formulation, SLI381, in children with attention-deficit hyperactivity disorder (Lopez et al) 2001;50:S96

Small cell lung carcinoma

corticospinal tract dysfunction, bilateral aducens palsies and small cell lung carcinoma: a case of paraneoplastic myelitis/motor neuron disease (Yao et al) 2001;50:S60

Small organic molecules

inhibition of binding of myelin basic protein 83-97 to HLA-DR1501 by small organic molecules (Xu et al) 2001;50:S38

Smell

subclinical dopaminergic dysfunction in asymptomatic Parkinson's disease patients' relatives with a decreased sense of smell (Berendse et al) 2001;50:34

Smoking

cigarette smoking and the incidence of Parkinson's disease in two prospective studies (Hernán et al) 2001;50:780

Socioeconomic factors

proton magnetic resonance spectroscopy predictors of deterioration in neurodevelopmental outcome after perinatal depression: role of socioeconomic factors (Miller et al) 2001;50:S121

Sodium channels

sodium channel inactivation defects are associated with acetazolamide-exacerbated hypokalemic periodic paralysis (Bendahhou et al) 2001;50:417

sodium channel inactivation in an animal model of acute quadriplegic myopathy (Rich and Pinter) 2001;50:26

Somatic growth

lack of correlation of head and somatic growth in normal children (Riback) 2001;50:S131

Somatic sensory function

reorganization of somatic sensory function in the human thalamus after stroke (Ohara and Lenz) 2001;50:800

Somnolence; see also Sleep disorders

distinctive interaction between long-term memory and daytime somnolence in cognitively normal apolipoprotein E $\epsilon 4/4$ homozygotes (Caselli et al) 2001;50:S16

Spanish families

late-onset metachromatic leukodystrophy clinically presenting as isolated peripheral neuropathy: compound heterozygosity for the IVS2+1G \rightarrow A mutation and a newly identified missense mutation (Thr408Ile) in a Spanish family (Comabella et al) 2001;50:108

Spanish patients

clinical and molecular studies in Spanish and Portuguese cavernous angioma (Lucas et al) 2001;50:S50

Spastic cerebral palsy

modafinil use in spastic cerebral palsy: a pilot study (Hurst et al) 2001;50:S118

Spasticity

effect of botulinum toxin type A on health-related quality of life in stroke patients with spasticity (Kozma et al) 2001;50:S78

Spatial neglect

so near yet so far: neglect in far or near space depends on tool use (Pegna et al) 2001;50:820

Spatial working memory

abnormal visual search in parietal neglect: a defect of spatial working memory (Kennard et al) 2001;50:S39

Speaker normalization

cortical activation during speaker normalization (Orrin et al) 2001;50:S11

Speech

dislocation of speech-relevant areas in chronic brain lesions as a consequence of functional disinhibition (Heiss et al) 2001;50:S31

Spinal cord injury

amniotic epithelial cell transplantation for spinal cord injury repair: novel treatment strategy for the next decade (Sankar and Muthusamy) 2001;50:S35

open-label, multiple-dose study to determine the pharmacokinetics and safety of fampridine-SR in patients with chronic spinal cord injury (Hayes et al) 2001;50:S62

Spinal muscular atrophy

outcome measures for pediatric muscular atrophy (Iannaccone and the AmSTART Group) 2001;50:S127

postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54

Spinal sensory loss

neurophysiological findings in patients with isolated spinal sensory loss (Smith and Bosch) 2001;50:S23

Spinocerebellar ataxia

clinical and genetic analysis of four Mexican families with spinocerebellar ataxia type 10 (Rasmussen et al) 2001;50:234

molecular and clinical correlation in five Indian families with spinocerebellar ataxia 12 (Srivastava et al) 2001;50:796

spinocerebellar ataxia type 2 presenting as familial levodopa-responsive parkinsonism (Shan et al) 2001;50:812

transcranial magnetic stimulation is useful to improve ataxic gait of spinocerebellar ataxia 6 patients (Shimizu et al) 2001;50:S63

Spinocerebellar degeneration

quantitative analysis of therapeutic transcranial magnetic stimulation for spinocerebellar degeneration (Jin et al) 2001;50:S53

Spouses

shared and unique psychosocial contributions to marital and nonmarital well-being in brain tumor patients and their spouses (Anderson et al) 2001;50:S77

Spreading depression

microglia activation from spreading depression in hippocampal organ cultures parallels that seen in vivo, thus allowing direct exploration of microglia functional genomics of ischemic tolerance (Kraig and Kunkler) 2001;50:S39

P/Q-type calcium channel blockade prevents spreading depression in hippocampal organ cultures (Kunkler and Kraig) 2001;50:S20

SR57746A (xaliproden)

Japanese phase II clinical study of SR57746A (xaliproden) in amyotrophic lateral sclerosis (Tashiro et al) 2001;50:S34

Statins

treatment of experimental allergic encephalomyelitis with 3-HMG CoA reductase inhibitors (statins) decreases disease activity in a dose-dependent manner (Stüve et al) 2001;50:S26

use of statin for regression of cerebral artery stenosis: a multicenter, randomized, double-blind, placebo-controlled study (Wong et al) 2001;50:S40

Status epilepticus

programmed cell death after status epilepticus: evidence for NMDA-mediated mechanisms (Mikati et al) 2001;50:S63

- programmed cell death and increases in ceramide levels occur after status epilepticus in developing and mature brains (Mikati et al) 2001;50:S106
- status epilepticus in mitochondrial disorders (Ghosh et al) 2001;50:S105
- status epilepticus in the pediatric neurosurgery population: a prospective study (Leszczyszyn et al) 2001;50:S105
- status epilepticus-induced apoptosis in prepubescent rats: effects of valproate treatment (Mikati et al) 2001;50:S64
- status epilepticus-induced apoptosis in prepubescent rats: effect of valproate treatment (Mikati et al) 2001;50:S103
- status epilepticus-induced programmed cell death and ceramide increases are NMDA receptor activation dependent (Mikati et al) 2001;50:S106
- Stem cell transplantation**
- human herpesvirus 6 limbic encephalitis after stem cell transplantation (Wainwright et al) 2001;50:612
- transplantation of human neural stem cells in rat model of Huntington's disease (Ryu et al) 2001;50:S18
- treatment of severe multiple sclerosis with high-dose immunosuppressive therapy and autologous stem cell transplantation (Nash) 2001;50:S37
- Stem cells**
- multipotential (stem) cells isolated from human umbilical cord blood express markers for neurons and glia (Bicknese et al) 2001;50:S128
- Stereotactic radiosurgery**
- comparison of microneurosurgery and stereotactic radiosurgery in the treatment of solitary brain metastases (O'Neill et al) 2001;50:S31
- Stereotaxic subthalamotomy**
- stereotaxic subthalamotomy in the treatment of advanced Parkinson's disease: 12-month follow-up (Su et al) 2001;50:S48
- Stiff-man syndrome, familial**
- familial stiff-man syndrome with GAD65 antibody (Burns et al) 2001;50:S51
- Stiff-person syndrome**
- a double-blind, placebo-controlled, crossover trial of intravenous immunoglobulin in the treatment of anti-GAD antibody-positive patients with stiff-person syndrome (Dalakas et al) 2001;50:S8
- Streptococcal infection**
- effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117
- poststreptococcal acute disseminated encephalomyelitis with basal ganglia involvement and auto-reactive anti-basal ganglia antibodies (Dale et al) 2001;50:S88
- Streptococcal M5 protein**
- effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117
- Striatal lacunar infarction**
- neuronal activity in the globus pallidus in chorea caused by striatal lacunar infarction (Hashimoto et al) 2001;50:S28
- Striatonigral degeneration**
- a novel grading scale for striatonigral degeneration (multisystem atrophy) (Jellinger et al) 2001;50:S49
- striatonigral degeneration in a patient with genetic evidence of Huntington's disease (Toran et al) 2001;50:S46
- Stroke**
- blood genomic responses differ after stroke, seizures, hypoglycemia, and hypoxia: blood genomic fingerprints of disease (Tang et al) 2001;50:699
- effect of botulinum toxin type A on health-related quality of life in stroke patients with spasticity (Kozma et al) 2001;50:S78
- the effect of stroke on outcome of acute aortic dissection: results from the International Registry of Aortic Dissection (Kutcher et al) 2001;50:S74
- Helicobacter pylori* infection and monocyte CD14 receptor gene polymorphism in patients with stroke (Park et al) 2001;50:S40
- increased mortality for stroke patients hospitalized during an era of competing demands: implications for quality measurement (Cebul et al) 2001;50:S71
- iron-deficiency anemia, thrombocytosis, and stroke: a case series and review of the literature (Replogh et al) 2001;50:S42
- a nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats (Zhang et al) 2001;50:602
- platelet glutamate uptake and plasma glutamate levels in stroke patients (Tremolizzo et al) 2001;50:S42
- predictors of nursing home admission after stroke: results from a nationally representative sample of US elderly (Hickenbottom et al) 2001;50:S73
- progressing stroke in patients with cerebral infarction in the territory of the deep perforators of the carotid system (Saiki et al) 2001;50:S40
- quality of life following stroke: insights from qualitative research (Clarke and Black) 2001;50:S77
- reorganization of somatic sensory function in the human thalamus after stroke (Ohara and Lenz) 2001;50:800
- Utah stroke in childhood database (Bale et al) 2001;50:S130
- variability in stroke outcome in the NSLIJ Health System (Halperin et al) 2001;50:S73
- white blood cell count predicts outcome after stroke: the Northern Manhattan Stroke Study (Elkind et al) 2001;50:S73
- Stroke, acute**
- behavioral neurology in the emergency room: language testing, brain imaging, and acute stroke therapy (Kirshner) 2001;50:S59
- the effect of pneumonia on 30-day mortality for Medicare patients hospitalized for acute stroke (Katzan et al) 2001;50:S74
- hypoperfusion of Wernicke's area predicts severity of semantic deficit in acute stroke (Hillis et al) 2001;50:S61
- the impact of a rapid response team on tissue plasminogen activator administration for acute stroke in a community hospital (Castaldo et al) 2001;50:S73
- quantitative electroencephalographic tomography for assessing acute stroke (Machado et al) 2001;50:S42
- Stroke, arterial**
- arterial stroke presenting within the neonatal period (Collins et al) 2001;50:S130
- Stroke, hemorrhagic**
- development and independent validation of prospective mortality risk-adjustment models for incident cases of ischemic and hemorrhagic stroke based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S70

Stroke, ischemic

- acute-phase multiparametric magnetic resonance imaging analysis predicts final infarct size better than diffusion-weighted imaging in patients with ischemic stroke (Pasnoor et al) 2001;50:S14
- aggressive case management in the Lowering of Vascular Atherosclerotic Risk Study improves quality of life for patients who have suffered ischemic events (Masiado et al) 2001;50:S78
- composite data analysis of citicoline in acute ischemic stroke (Dávalos et al) 2001;50:S13
- correlation between stroke severity and early ischemic lesion volume on diffusion-weighted imaging: comparison of Japan Stroke Scale and NIH Stroke Scale (Terayama et al) 2001;50:S76
- development and independent validation of prospective mortality risk-adjustment models for incident cases of ischemic and hemorrhagic stroke based on automated pharmacy and medical claims data (Ricci et al) 2001;50:S70
- diabetes, blood glucose, and outcome after ischemic stroke (Kissela et al) 2001;50:S74
- discrepancy between physician knowledge and practices in the evaluation of coagulopathies in ischemic stroke patients (Bushnell and Goldstein) 2001;50:S72
- early carotid endarterectomy after acute ischemic stroke (Bernardini et al) 2001;50:S72
- hyperglycemia during acute ischemic stroke and clinical outcomes (Bruno and Hamilton) 2001;50:S13
- mean platelet component to measure platelet activation in ischemic stroke (Ryu et al) 2001;50:S42
- ovarian hyperstimulation syndrome with ischemic stroke due to an intracardiac thrombus (Worrell et al) 2001;50:S43
- presumed pre- or perinatal arterial ischemic stroke: risk factors and outcomes (Golomb et al) 2001;50:163
- reliability and validity of the assessment of functioning and well-being of patients with ischemic stroke (Goldstein et al) 2001;50:S77
- risk factors associated with symptomatic hemorrhagic conversion in acute ischemic stroke (Moonis et al) 2001;50:S75
- serum levels of MCP-1 and IL-8 in patients with atherosclerosis and with acute ischemic stroke and aspirin inhibit the secretion of MCP-1 and IL-8 on human umbilical vein endothelial cells through the NF- κ B pathway (Cha et al) 2001;50:S14

Stroke, neonatal

- arterial stroke presenting within the neonatal period (Collins et al) 2001;50:S130
- magnetic resonance angiography in neonatal stroke demonstrates luxury perfusion at 1 week of life (Hardison et al) 2001;50:S129

Stroke recovery

- fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke (Pariente et al) 2001;50:718
- imaging stroke recovery: lessons from Prozac (Detre) 2001;50:697 (Editorial)

Sturge-Weber syndrome

- differences in gene expression of extracellular matrix molecules found by microarray analysis of Sturge-Weber syndrome brain tissue and fibroblasts (Comi et al) 2001;50:S97

Stuttering, developmental

- is Tourette's syndrome being overlooked in developmental stutterers? (Shah et al) 2001;50:S126

Subarachnoid hemorrhage

- are proxy ratings valid for assessing quality of life after subarachnoid hemorrhage? (Ostapovich et al) 2001;50:S78
- cognitive dysfunction and quality of life after subarachnoid hemorrhage (Mayer et al) 2001;50:S78
- should patients with subarachnoid hemorrhage be transferred to high-volume hospitals? (Johnston et al) 2001;50:S70

Substantia nigra

- sexual dimorphism and developmental regulation of substantia nigra function (Velísková and Moshé) 2001;50:596

Subthalamic nucleus

- involvement of the human subthalamic nucleus in movement preparation (Paradiso et al) 2001;50:S21

Subthalamotomy

- metabolic changes following subthalamotomy for advanced Parkinson's disease (Su et al) 2001;50:S14

Subthalamotomy, stereotaxic

- stereotaxic subthalamotomy in the treatment of advanced Parkinson's disease: 12-month follow-up (Su et al) 2001;50:S48

Succinic semialdehyde dehydrogenase deficiency

- succinic semialdehyde dehydrogenase deficiency: selective ion monitoring gas chromatography-mass spectrometry identification of urine 4-hydroxybutyrate in the diagnosis of a potentially treatable cause of mental retardation and autistic syndrome (Pearl et al) 2001;50:S115

Sudden infant death syndrome

- sudden infant death syndrome: cytokine immunoreactivity in the brainstem (Kadhim et al) 2001;50:S119

Sunshine

- influence of sunshine on multiple sclerosis patients' consultations with the general practitioner (Tremlett et al) 2001;50:S57

Superoxide dismutase

- compound heterozygosity and variable penetrance in *SOD1* amyotrophic lateral sclerosis pedigrees (Parton et al) 2001;50:553 (Letter)
- disease mechanisms revealed by transcription profiling in *SOD1*-G93A transgenic mouse spinal cord (Olsen et al) 2001;50:730
- identification of alternatively spliced transcripts of the human copper/zinc superoxide dismutase gene (Hirano et al) 2001;50:S17
- induction of proinflammatory molecules in mice with amyotrophic lateral sclerosis: no requirement for proapoptotic interleukin-1 β in neurodegeneration (Nguyen et al) 2001;50:630
- intracellular calcium modulators reduce motoneuronal viability expressing mutated copper/zinc superoxide dismutase through nitric oxide/guanylyl cyclase-cGMP cascade (Lee et al) 2001;50:S45

Supranuclear palsy, progressive

- progression of disability in progressive supranuclear palsy (Goetz et al) 2001;50:S48
- relationship of the extended tau haplotype to tau biochemistry and neuropathology in progressive supranuclear palsy (Liu et al) 2001;50:494

Surgery; see also specific procedures, types

- frequency and significance of acute postoperative seizures in children (Park et al) 2001;50:S92
- long-term neuromotor sequelae in young infants with congenital heart defects after cardiac surgery (Limperopoulos et al) 2001;50:S94

- status epilepticus in the pediatric neurosurgery population: a prospective study (Leszczyszyn et al) 2001;50:S105
- Synaptic transmission**
brain-derived neurotrophic factor enhances fast excitatory synaptic transmission in human epileptic dentate gyrus (Zhu and Roper) 2001;50:188
- Syncope**
utility of ocular compression in the diagnosis of breath-holding spells and syncope (Khurana et al) 2001;50:S102
- α -Synuclein**
 α -synuclein-containing Lewy bodies in Pick's disease: epitope mapping is similar regardless of the underlying disease (Lippa et al) 2001;50:S15
 α -synuclein staining patterns in motor neuron disease (Doherty et al) 2001;50:S52
mutant α -synuclein that induces familial Parkinson's disease interacts with mitochondrial cytochrome c oxidase (Elkon et al) 2001;50:S17
- Systemic lupus erythematosus**
systemic lupus erythematosus and intracranial aneurysms (Goodman et al) 2001;50:S15
- T cells**
increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807
mature, long-lived CD4⁺ and CD8⁺ T cells are generated by the thymoma in myasthenia gravis (Buckley et al) 2001;50:64
requirement for antigen processing and influence of invariant chain and H-2M deficiencies on T-cell activation in autoimmune encephalomyelitis (Slavin et al) 2001;50:S27
- T helper 1 cells**
complex immunomodulatory effects of interferon- β in multiple sclerosis include the upregulation of T helper 1-associated marker genes (Wandinger et al) 2001;50:349
- Talker normalization**
cortical activation during speaker normalization (Orrin et al) 2001;50:S11
- tau gene**
case-control study of the extended tau gene haplotype in Parkinson's disease (Maraganore et al) 2001;50:658
familial frontotemporal dementia and Parkinsonism with a novel mutation at the intron 10+11-splice site in the tau gene (Miyamoto et al) 2001;50:117
Pick's disease associated with the novel tau gene mutation K369I (Neumann et al) 2001;50:503
relationship of the extended tau haplotype to tau biochemistry and neuropathology in progressive supranuclear palsy (Liu et al) 2001;50:494
- tau protein**
large-scale, multicenter study of cerebrospinal fluid tau protein phosphorylated at serine 199 for the antemortem diagnosis of Alzheimer's disease (Itoh et al) 2001;50:150
- Temperature**
effects of fatigue and temperature on extraocular muscle (Kaminski and Richmonds) 2001;50:S55
temperature threshold for rapid termination of focal neocortical seizures (Yang and Rothman) 2001;50:S102
- Temporal lobe abnormalities**
left hippocampal abnormalities in children with pervasive developmental disorder (Stahl et al) 2001;50:S95
- Temporal lobe epilepsy**
cellular compartmentalization of the phosphorylated eukaryotic translation-initiation factor 2 α and nitric oxide synthase in temporal lobe epilepsy resulting from hippocampal sclerosis (Watson et al) 2001;50:S19
chromogranins as markers of altered hippocampal circuitry in temporal lobe epilepsy (Pirker et al) 2001;50:216
migration abnormalities in temporal lobe epilepsy (Khatri et al) 2001;50:S20
- Temporal lobectomy**
long-term follow-up of temporal lobectomy in children (Jarrar et al) 2001;50:S92
- Teratoid/rhabdoid tumors**
atypical teratoid/rhabdoid tumors: consensus from a nationwide review (Packer et al) 2001;50:S111
- Textbooks**
an interactive learning textbook for neurology clerkship program (Jao et al) 2001;50:S63
- Thalamus**
nigrostriatal collaterals to thalamus degenerate in parkinsonian animal models (Freeman et al) 2001;50:321
reorganization of somatic sensory function in the human thalamus after stroke (Ohara and Lenz) 2001;50:800
- Thrombocytosis**
iron-deficiency anemia, thrombocytosis, and stroke: a case series and review of the literature (Reploeg et al) 2001;50:S42
- Thrombosis**
ovarian hyperstimulation syndrome with ischemic stroke due to an intracardiac thrombus (Worrell et al) 2001;50:S43
- Thymoma**
mature, long-lived CD4⁺ and CD8⁺ T cells are generated by the thymoma in myasthenia gravis (Buckley et al) 2001;50:64
- Tics**
dopamine for tics in Tourette syndrome (Riback) 2001;50:S117
- Tissue inhibitor of metalloproteinase-3**
tissue inhibitor of metalloproteinase-3 is associated with neuronal apoptosis in reperfusion injury in rat brain (Rosenberg et al) 2001;50:S12
- Tissue inhibitors of metalloproteinase**
matrix metalloproteinases and their tissue inhibitors as markers of disease subtype and response to interferon- β therapy in relapsing and secondary-progressive multiple sclerosis patients (Galboiz et al) 2001;50:443
- Tissue plasminogen activator**
the impact of a rapid response team on tissue plasminogen activator administration for acute stroke in a community hospital (Castaldo et al) 2001;50:S73
- Tool use**
so near yet so far: neglect in far or near space depends on tool use (Pegna et al) 2001;50:820
- Topiramate**
topiramate blocks perinatal hypoxia-induced seizures in rat pups (Koh and Jensen) 2001;50:366
topiramate in the treatment of chronic neuropathic pain: a retrospective chart review (Backonja) 2001;50:S63
topiramate suppresses seizures induced by hypoxia ischemia in immature rats (Koh and Jensen) 2001;50:S108

TORIA gene

intrafamilial phenotypic variability of the DYT1 dystonia: from asymptomatic TORIA gene carrier status to dystonic storm (Opal et al) 2001;50:S21

TorsinA

protein expression of torsinA in the human brain and two cases with early-onset generalized dystonia and GAG deletion (Rostasy et al) 2001;50:S97

Tourette's syndrome

donepezil for tics in Tourette syndrome (Riback) 2001;50:S117

effect of microinfused sera from children with postinfectious neuropsychiatric disorders associated with streptococcal infection and Tourette syndrome and antibodies against streptococcal M5 protein into rodent striatum (Singer et al) 2001;50:S117

is Tourette's syndrome being overlooked in developmental stutterers? (Shah et al) 2001;50:S126

migraine headache in Tourette's syndrome (Kwak et al) 2001;50:S21

Transcranial magnetic stimulation

quantitative analysis of therapeutic transcranial magnetic stimulation for spinocerebellar degeneration (Jin et al) 2001;50:S53

transcranial magnetic stimulation is useful to improve ataxic gait of spinocerebellar ataxia 6 patients (Shimizu et al) 2001;50:S63

Transcription profiling

disease mechanisms revealed by transcription profiling in SOD1-G93A transgenic mouse spinal cord (Olsen et al) 2001;50:730

Transfontanel ultrasound

transfontanel ultrasonography fails to diagnose periventricular leukomalacia (Miller et al) 2001;50:S119

Translation-initiation factor 2 α

cellular compartmentalization of the phosphorylated eukaryotic translation-initiation factor 2 α and nitric oxide synthase in temporal lobe epilepsy resulting from hippocampal sclerosis (Watson et al) 2001;50:S19

Transplantation, amniotic epithelial cell

amniotic epithelial cell transplantation for spinal cord injury repair: novel treatment strategy for the next decade (Sankar and Muthusamy) 2001;50:S35

Transplantation, bone marrow

brain magnetic resonance imaging in 23 patients with mucopolysaccharidoses and the effect of bone marrow transplantation (Seto et al) 2001;50:79

Transplantation, stem cell

human herpesvirus 6 limbic encephalitis after stem cell transplantation (Wainwright et al) 2001;50:612

transplantation of human neural stem cells in rat model of Huntington's disease (Ryu et al) 2001;50:S18

treatment of severe multiple sclerosis with high-dose immunosuppressive therapy and autologous stem cell transplantation (Nash) 2001;50:S37

Transurethral resection of the prostate

electroencephalographic and clinical correlation of hyponatremia induced during transurethral resection of the prostate (Reddy and Moorthy) 2001;50:554 (Letter)

Trauma

proton magnetic resonance spectroscopy in children with posttraumatic diffuse axonal injury (Ashwal et al) 2001;50:S93

Trauma, closed-head

hypothesis accounting for the effect of glucocorticoids in closed-head trauma (Borsody and Coco) 2001;50:S72

Trauma, head

long-term hyperexcitability in the hippocampus after experimental head trauma (Santhakumar et al) 2001;50:708

Tremors

bilateral high-frequency synchronous discharges associated with posterior fossa disorders (Manto and Moore) 2001;50:825 (Letter)

clinical correlates of action tremor in Parkinson's disease (Louis et al) 2001;50:S50

postural tremor in distal spinal muscular atrophy (Blumen et al) 2001;50:S54

prospective study of lateralized tremor and its relationship to cognitive decline in Parkinson's disease (Grossman et al) 2001;50:S22

Trigemino-cervical complex

evidence for postjunctional serotonin (5-HT₁) receptors in the trigemino-cervical complex (Goadsby et al) 2001;50:804

Triple DNA analysis

complete allele information in the diagnosis of facioscapulo-humeral muscular dystrophy by triple DNA analysis (Lemmers et al) 2001;50:816

Tropical spastic paraparesis

dysautonomia in human T-cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis (Alamy et al) 2001;50:681

increased HTLV-I proviral load and preferential expansion of HTLV-I Tax-specific CD8⁺ T cells in cerebrospinal fluid from patients with HAM/TSP (Nagai et al) 2001;50:807

TSC2 gene

family with limited clinical experience of tuberous sclerosis and genetic linkage of the TSC2 gene (O'Connor et al) 2001;50:S113

tst-1

POU transcription factor Oct-6/tst-1/SCIP and Schwann cell differentiation (Yum and Scherer) 2001;50:S128

Tuberous sclerosis

family with limited clinical experience of tuberous sclerosis and genetic linkage of the TSC2 gene (O'Connor et al) 2001;50:S113

Tuberous sclerosis complex

brain morphometry in tuberous sclerosis complex (Yorns and DiMario) 2001;50:S97

β -Tubulin

localization of the neuronal class III β -tubulin in oligodendroglomas: a marker for anaplastic potential (Kates et al) 2001;50:S110

Tumor necrosis factor- α

increased frequency of the tumor necrosis factor- α -308 A allele in adults with human immunodeficiency virus dementia (Quasney et al) 2001;50:157

Tumors, brain

concerns and resources of siblings and children with brain tumors (Freeman et al) 2001;50:S110

plasticity of language networks in patients with brain tumors: a positron emission tomography activation study (Thiel et al) 2001;50:620

shared and unique psychosocial contributions to marital and nonmarital well-being in brain tumor patients and their spouses (Anderson et al) 2001;50:S77

Tumors, dysembryoplastic neuroepithelial

dysembryoplastic neuroepithelial tumor: a surgically correctable cause of symptomatic localization-related epilepsy (Joshi et al) 2001;50:S107

Tumors, teratoid/rhabdoid

atypical teratoid/rhabdoid tumors: consensus from a nationwide review (Packer et al) 2001;50:S111

Twins, monozygotic

monozygotic twins with X-linked adrenoleukodystrophy and different phenotypes (Di Rocco et al) 2001;50:424 (Letter)

Ubiquitin

induction of mutant "ubiquitin + 1" in adult rat brain following kainate-induced seizures: relevance for neurodegeneration (Tan et al) 2001;50:S18

Ulp6/collapsin response-mediator protein 5

are the "newly discovered" paraneoplastic anti-collapsin response-mediator protein 5 antibodies simply anti-CV2 antibodies? (Honnorat et al) 2001;50:688 (Letter)

Ullrich's disease

frameshift mutations in the collagen VI gene causes Ullrich's disease (Higuchi et al) 2001;50:261

Ultrasound

cranial ultrasound has a low sensitivity for detecting acute arterial ischemic infarct in term neonates (Golomb et al) 2001;50:S120

transfontanel ultrasonography fails to diagnose periventricular leukomalacia (Miller et al) 2001;50:S119

Umbilical cord blood, human

multipotential (stem) cells isolated from human umbilical cord blood express markers for neurons and glia (Bicknese et al) 2001;50:S128

Unilateral spatial neglect

so near yet so far: neglect in far or near space depends on tool use (Pegna et al) 2001;50:820

United Kingdom

PTPRC (CD45) mutation is not associated with familial multiple sclerosis in the Northwest region of the United Kingdom (Nicholas et al) 2001;50:S30

United States

methanol poisoning in the United States, 1993–1998 (Davis et al) 2001;50:S36

Utah

infant botulism: the Utah experience, 1986–2000 (Thompson et al) 2001;50:S127

Utah stroke in childhood database (Bale et al) 2001;50:S130

UV light exposure

influence of sunshine on multiple sclerosis patients' consultations with the general practitioner (Tremlett et al) 2001;50:S57

Vagus nerve stimulation

vagus nerve stimulation for the treatment of pediatric epilepsy (Hosain et al) 2001;50:S92

Valproate

status epilepticus-induced apoptosis in prepubescent rats: effects of valproate treatment (Mikati et al) 2001;50:S64

status epilepticus-induced apoptosis in prepubescent rats: effect of valproate treatment (Mikati et al) 2001;50:S103

Vanishing white matter disease

myelinopathia centralis diffusa (vanishing white matter disease): evidence of apoptotic oligodendrocyte degeneration in early lesion development (Brück et al) 2001;50:S32

Vascular atherosclerotic risk

Lowering of Vascular Atherosclerotic Risk (LOVAR) study: prospective controlled 5-year trial of aggressive multi-risk factor modification for stroke (Thomas et al) 2001;50:S69

Vascular stenosis

proximal vascular stenosis and distal dilation of intracranial arteries in hypertensive encephalopathy (Bamford et al) 2001;50:S14, 2001;50:S129

Vergence

convergence retraction nystagmus: a disorder of vergence? (Rambold et al) 2001;50:677

Vertigo

diagnosis of vertigo and dizziness in children using a structured clinical history and a computer algorithm (Ravid et al) 2001;50:S109

Vestibular system

changes in calcium-binding protein expression in the brainstem vestibular and oculomotor nuclei of the jaundiced Gunn rat relate to clinical kernicterus (Shaia et al) 2001;50:S121

Victor, Maurice

Maurice Victor: 1920–2002 (Johnson) 2001;50:831 (Obituary)

Virus-induced apoptosis

mechanism of virus-induced cell death (Tyler et al) 2001;50:S33

Visual cortex

functional activation of microgyric visual cortex in a human (Innocenti et al) 2001;50:672

Visual search

abnormal visual search in parietal neglect: a defect of spatial working memory (Kennard et al) 2001;50:S39

Vitamin A

vitamin A levels in the cerebrospinal fluid of patients with idiopathic intracranial hypertension (Warner et al) 2001;50:S35

Vitamin B₁₂ (cobalamin)

epidermal growth factor as a local mediator of the neurotrophic action of vitamin B₁₂ (cobalamin) in the mammalian central nervous system (Buccellato et al) 2001;50:S17

Voltage-gated potassium channels

potassium channel antibodies in two patients with reversible limbic encephalitis (Buckley et al) 2001;50:73

Voxel-based morphometry

changes in whole-brain volumetry in Alzheimer's disease and normal controls: analysis using voxel-based morphometry (Kaptanoglu et al) 2001;50:S15

Wada test

positron emission tomography to determine language dominance in children: a comparison with the Wada test (Kaplan et al) 2001;50:S106

Walkers

wheeled and standard walkers in Parkinson's disease patients with gait freezing (Cubo et al) 2001;50:S50

Well-being

reliability and validity of the assessment of functioning and well-being of patients with ischemic stroke (Goldstein et al) 2001;50:S77

shared and unique psychosocial contributions to marital and nonmarital well-being in brain tumor patients and their spouses (Anderson et al) 2001;50:S77

Wernicke's area

hypoperfusion of Wernicke's area predicts severity of semantic deficit in acute stroke (Hillis et al) 2001;50:561

White blood cells

white blood cell count predicts outcome after stroke: the Northern Manhattan Stroke Study (Elkind et al) 2001;50:573

White matter

adult-onset leukoencephalopathy with vanishing white matter presenting with dementia (Prass et al) 2001;50:665

cerebral blood flow velocity and risk of white matter hyperintensities (Tzourio) 2001;50:129 (Letter)

clinical correlates of white matter abnormalities on magnetic resonance imaging of the head (Lasbury et al) 2001;50:S116

increased glial cell birth and death in the white matter of adrenoleukodystrophy brain (Chapin et al) 2001;50:S115

myelinopathia centralis diffusa (vanishing white matter disease): evidence of apoptotic oligodendrocyte degeneration in early lesion development (Brück et al) 2001;50:532

use of diffusion tensor imaging to study discrete white matter fiber tract maturation after birth (Vajapeyam et al) 2001;50:S98

white matter T1 relaxation time in multiple sclerosis acquired by three-dimensional magnetic resonance imaging (Vaithianathan et al) 2001;50:S56

Whole-brain volumetry

changes in whole-brain volumetry in Alzheimer's disease and normal controls: analysis using voxel-based morphometry (Kaptanoglu et al) 2001;50:S15

whole-brain volume is reduced in patients with localization-related epilepsy and a history of complex febrile seizures (Theodore et al) 2001;50:S19

Williams syndrome

posterior mid-body and isthmus of corpus callosum reduction in Williams syndrome: an in vivo magnetic resonance imaging study (Caravale et al) 2001;50:S113

WLDs gene

adenoviral transfer of the WLDs gene provides protection against axonal degeneration in rat dorsal root ganglia cultures (Glass et al) 2001;50:S9

Wld^s protein

the Wld^s protein protects against axonal degeneration: a model of gene therapy for peripheral neuropathy (Wang et al) 2001;50:773

Women

follicular-phase changes in the cortical excitability of healthy women (Wassermann et al) 2001;50:S19

Working memory dysfunction

children who are long-term survivors of acute lymphocytic leukemia demonstrate working memory dysfunction on an N-back test (Wolraich et al) 2001;50:S110

X-linked adrenoleukodystrophy

monozygotic twins with X-linked adrenoleukodystrophy and different phenotypes (Di Rocco et al) 2001;50:424 (Letter)

X-linked leukodystrophy

X-linked leukodystrophy with metaphyseal chondrodysplasia (Kohlschütter et al) 2001;50:S113

X-linked myotubular myopathy

diagnosis of X-linked myotubular myopathy by detection of myotubularin (Laporte et al) 2001;50:42

Xaliproden

Japanese phase II clinical study of SR57746A (xaliproden) in amyotrophic lateral sclerosis (Tashiro et al) 2001;50:S34

motor unit survival in a controlled trial of xaliproden for the treatment of amyotrophic lateral sclerosis (Gooch et al) 2001;50:S23

(Z)-1-[N-(2-Aminoethyl)-N-(2-ammonioethyl) amino]-diazen-1-ium-1,2-diolate (DETA/NO₂Oate)

a nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats (Zhang et al) 2001;50:602

Zonisamide

efficacy of zonisamide in progressive myoclonic epilepsy: a case series (Conry et al) 2001;50:S104

